Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

SINCE 1871

Number 12
Volume 139

March 24, 1941

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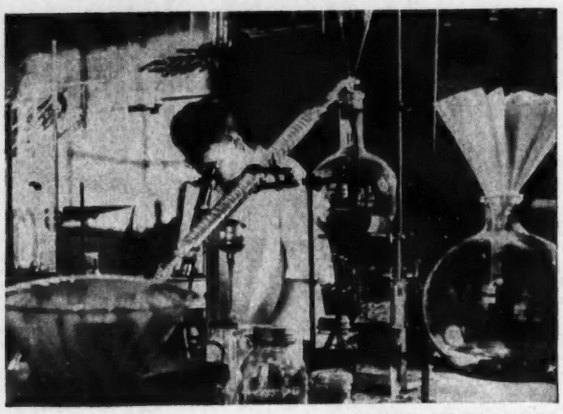

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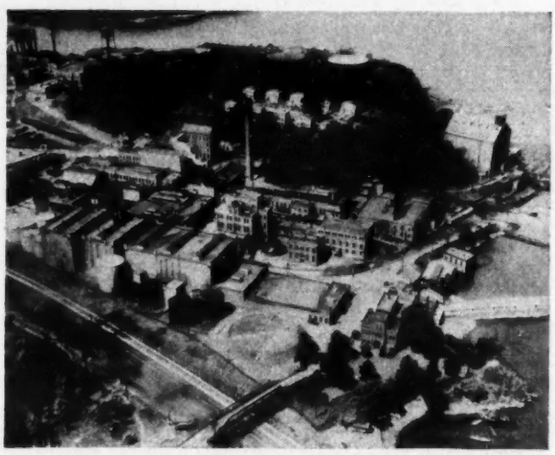

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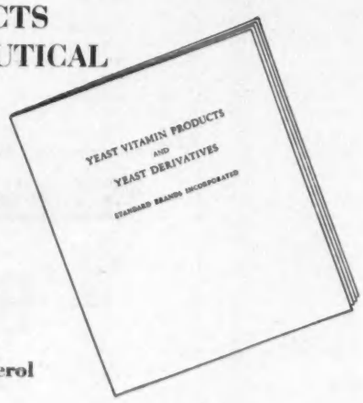

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Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

Member: Audit Bureau of Circulations

Volume 139 | March 24, 1941 | Number 12

Druggists to Be Sued For Selling Rx Drugs

OPD Washington Bureau
March 20, 1941

Criminal prosecution of a large number of retail druggists is planned by the Food and Drug Administration on charges that they have made over-the-counter sales without prescriptions of various drugs labeled as being intended for use only by or on the prescription of a physician.

F.D.A. inspectors throughout the country are conducting an intensive campaign to stop the practice and are attempting to make purchases in retail drug stores. As a result of such purchases the Food and Drug Administration is preparing to issue citations to approximately fifty retailers ordering them to show cause why criminal proceedings should not be brought against them by the Department of Justice for violation of the food, drug, and cosmetic act. Additional reports are being received from the field daily, and further citations are in prospect. The fifty citations now being issued cover a wide geographical range, and include both small towns and large cities.

Reports currently coming in from inspectors indicate that at least three-fourths of the attempts to purchase resulted in failure, showing that druggists generally are aware of the re-

—Continued on page 46A

Export Control for Loose Car Tanks

OPD Washington Bureau
March 18, 1941

Tankcars in the form of one or more tanks which are permanently affixed to the car are not considered metal drums or containers within the meaning of the export control regulations, and therefore no license should be required for their exportation, according to a notification from the Department of State to Collectors of Customs, made public by the Department of Commerce.

However, tanks designed as separate or removable units which are placed on cars temporarily or in such a manner as to be readily removable—although held in place by the necessary wires, guys, and supports—are considered to fall within the purview of the regulations, and a license should therefore be required for their exportation. An export license should be required in the case of a tankcar designed in such a manner that the tank may be left at the destination and the car returned without it.

Minnesota Chain Tax Of 1937 Held Valid

Minneapolis, Mar. 17, 1941

The Minnesota Supreme Court has held that the State's chain-store tax law of 1937 is constitutional. Main effect of the decision is that the State will not be required to refund of taxes paid under the law, totaling $400,000. Under the provisions of the law itself the law went out of existence at the close of 1940. The law provided that no taxes would be collected in 1941. A bill to re-enact the law is now before the Legislature.

Chemical Export Group To Hear U.S. Expert

In connection with the twenty-first annual get-together of the Export Managers club of New York the chemical, drug, and cosmetic group will have a luncheon March 25 at 12:30 p.m. in the Hotel Pennsylvania, this city. The admission fee will be $1.75 and reservations and remittance should be made in advance at the club's headquarters, 2 Lafayette street, this city.

D. A. Walker, president of the Seventeen Club, will preside at the

—Continued on page 28

Export Control Lists and Rules Afford Necessary Information

OPD Washington Bureau
March 21, 1941

A recapitulation of all executive orders, regulations, and instructions to Collectors of Customs issued under the export license control act was issued today by the office of the Adminstrator of Export Control.

This is the first time that this material has been compiled in one document, and this should prove of great value to exporters and others concerned. The compilation is entitled "Export Control Regulations and Export Control Schedule No. 1." It covers all orders and regulations, including those recently issued but not effective until April 15. For complete commodity descriptions, reference is made to schedules B and F issued by the Department of Commerce for classifying exports and re-exports. The 1941 editions of these schedules also came off the press today, and their availability will greatly expedite an understanding of the export controls.

In addition to a classified list of all commodities now subject to export license, the regulations contain a section on general information summerizing in nonlegal language instructions on obtaining and using licenses. Texts of official proclamations and military orders are included in an appendix.

The general information section contains instructions on basic affidavits which has never been made public before, although it has been in effect for several months. This procedure requires an applicant for a license to submit information as to shipments of the commodity to the country of destination, and is required for certain countries and certain listed commodities. This list of commodities will be enlarged in a supplemental order to be issued within a few days.

Control to Be Extended

Although schedule 1 is just off the press, the Administrator of Export Control is now preparing schedule 2, to be issued shortly, which will add a great many more commodities to the list under export control. It is understood that many chemical products will be on the forthcoming list.

President Roosevelt this week issued two executive orders dealing with export control. One of these gives the Administrator of Export Control authority to determine the "forms, conversions, and derivatives" of the articles and materials subject to license control. Under this order, the President determines by proclamation what basic commodities are subject to license and the administrator by regulation determines what specific products containing them must be licensed. Such regulations are to be published in the *Federal Register*. Licenses for the export of such articles will continue to be issued by the Department of State.

The other executive order gives the administrator, rather than the Department of State, authority to issue licenses for the export of plans and specifications, put under license control by a proclamation of March 4, 1941, and authorizes him to make regulations describing the forms of such plans which may not be exported without a license. The March 4 proclamation covers:—

Any model, design, photograph, photographic negative, document or other article or material, containing a plan, spe-

—Continued on page 47

Glucose Price Schedule Hit by F.T.C. Order

OPD Washington Bureau
March 19, 1941

The Federal Trade Commission has ordered the American Maize-Products Company, New York, producer of glucose or corn syrup unmixed, to cease and desist from price discriminations in violation of the Robinson-Patman act.

Commission findings were that the respondent, after increasing the price of its corn syrup, has discriminated by selling it to some purchasers at the former and lower price while concurrently selling syrup of like grade and quality to other purchasers at the new and higher price, the difference between the lower and higher prices varying from five to fifty-five cents a hundredweight.

According to findings, the respondent also has discriminated by selling and delivering to purchasers syrup of like grade and quality in several types and sizes of containers at prices per hundredweight which increase over the tankcar price per hundredweight according to the size and type of container. Such increases over the tankcar price, the findings continue, vary from ten cents per hundredweight in the case of tankwagons, to $1.08 per hundredweight in five-gallon kegs.

Research Council to Aid Latin-American Business

A proposal outlining the formation of a Latin-American committee of the National Research Council has been submitted to the Colombian government. This committee, composed of group from the council visiting South American countries, would furnish on request information and advice on marketing, technological and scientific problems. The plan also includes establishment by governments as well as by business of committees through which questions would be cleared. The basis of the plan is to link South American resources with United States technological skill.

Bentonite Patent Pool Defendants Pay $30,000

Five corporations and eight individuals were fined a total of $30,000 in the Federal district court in this city March 18 on a nolo contendere plea to an antitrust indictment, in which the defendants were accused of conspiring to restrain trade in bentonite, by their use of patents relating merely to the mixture of bentonite with foundry sand. Fines were levied as follows:—

American Colloid Company of Lead, South Dakota, was fined $5,000, its president, Paul Bechtner of Chicago, Illinois, $2,000; Wyodak Chemical Company, Cleveland, Ohio, $5,000, its president, Ralph Ditty, and general manager, Louis H. Heyl, both of Cleveland, Ohio, $2,000 each; F. E. Schundler Bentonite Company, Belle Fourche, South Dakota, $5,000, F. E. Schundler of Joliet, Ill., its president, $1,000; Whitehead Brothers Company, this city, $5,000, and A. J. Miller and A. Y. Gregory, respectively president and vice-president of Whitehead Brothers Company, each $1,000; the Processing Corporation of America, and Joseph A. Anglada, of Jenkintown, Pa., its president, each $1,000, but these latter two fines were remitted.

Drug and Chemical Industry In the National Defense

By Paul V. McNutt

Federal Security Administrator

(Continued from March 17 issue)

Research and Experiment

So, I might call the roll of your products. Will new research develop safety and efficiency and extend the use of sulphanilamide, sulphapyridine, sulphathiazole, and related substances? Turn to the biologics. Today, for the first time, tetanus immunization is being done routinely in our army; the demand for that toxoid has placed added demands upon your laboratories. Yellow fever vaccine has been developed, which is as effective against yellow fever as, for example, smallpox vaccine is against smallpox. Typhus vaccine is emerging from the experimental laboratory and indications are that it may be equally effective. You and the Red Cross are cooperating today with the government in preparing more than 100,000 individual doses of normal human plasma and serum; the Red Cross is finding the donors; the commercial laboratories with their modern equipment are processing the bloods; the army is thus accumulating vital medical reserves which are as much a part of preparedness as tanks and planes and guns.

What I have said about new supplies for quinine might equally be said for belladonna cascara, ipecac, pyrethum, and rotenone. The Jewish refugee colony in Santo Domingo is developing the castor bean which may become a major source of raw material for a castor oil supply in this hemisphere. To them and to others who experiment along this line, I extend my heartiest hopes of success.

What do these developments mean to the future of medical and drug supplies for the civilian population of the United States? What new demands will be made upon us for the supply of our good neighbors to the south of us? These are questions for public health and medical determination. They hold for you important implications as to the future of your industry. They involve for the government vast problems of policy at home and abroad. They involve responsibilities for the food industries as well.

Food, Drug and Cosmetic Act

I must not overlook, in this discussion, your primary interest in the domestic market and in the Federal food, drug, and cosmetic act. The Federal

—Continued on page 30

Closing Markets

Tin Salts Firm

Prices for various tin derivatives held unchanged and firm late in the week. Straits metal closed at 52½c. per pound. International Tin Committee has extended prevailing quota of 130 percent of standard tin tonnages for remainder of this year.

Cottonseed Oil Easier

Refined cottonseed futures were easier on Friday, a setback in outside markets causing liquidation and more or less selling for a turn on the short side. Final prices, however, showed a net advance for the week of about 30 points. Crude cottonseed oil remained firm in the South. Tallow was firm at 6¼c. bid and 6½c. asked for extra.

All Tartar Products Up

Quotations on all tartar products were advanced sharply Friday noon. New quotations were as follows:—Tartaric acid, barrels, crystals, powder or granular, 10,000 pounds or more one shipment, 63½c. per pound; smaller lots, 64c.; kegs, ½c. higher. Cream of tartar, barrels, granular or powder, 5,000 pounds one shipment, 52½c. per pound; smaller lots, 53c.; kegs, ½c. higher. Rochelle salt, crystals, 5,000 pounds one shipment, 39½c.; smaller lots, 40c.; powder, 5,000 pounds, one shipment, 38½c.; smaller lots, 39c. Seidlitz mixture, barrels, 5,000 pounds one shipment, 30¾c.; smaller lots, 31¼c.; kegs, ½c. higher. Tartar emetic technical, 5 barrels or more, 44¾c. per pound; less than 5 barrels, 45c.; USP, 50c.

Motor Carrier Helpers, Mechanics Under I.C.C.

OPD Washington Bureau
March 17, 1941

Besides drivers, the only employes of common, contract and private motor carriers in interstate commerce who fall under the jurisdiction of the Interstate Commerce Commission are mechanics, loaders and helpers, the commission has decided in a report issued under ex parte No. MC-2 and MC-3.

Hearings will soon be held, the commission announced, to determine the regulations to be prescribed for these three classes of employes, other than drivers.

The Supreme Court of the United States last year decided that the Interstate Commerce Commission has power to regulate qualifications and hours of service for those employes whose activities affect the safety of

—Continued on page 29

American Quinine Names Kingston Co. Sales Agent

American Quinine Company, Inc., has appointed the Kingston Chemical Company, this city, exclusive sales agents. American Quinine Company, formed recently, has developed a process for the extraction of quinine from South American cinchona bark on a commercial scale, and reports current production of quinine alkaloid, quinine sulphate and quinine bisulphate.

Packaging Parley to Deal With Effects of Defense

The effect of the defense program on packaging will be emphasized in discussions planned for the eleventh annual conference and exposition on packaging, packing and shipping. The event, sponsored by the American Management Association, will be held April 1 to 4, in the Stevens hotel, Chicago.

The sixth annual shipping container clinic, in which the design, printing, and general protective efficiency of a wide variety of containers will be analyzed, has been scheduled for the afternoon of April 3. The subject "How Does the Defense Program Affect Packaging," will be discussed in a symposium to be held on the afternoon of April 1. Among the addresses to be presented during the conference sessions are the following:—

"A Case History of Informative Labeling," by Fred C. Hecht, of Sears, Roebuck & Co., Chicago.

—Continued on page 30

Chemical Price Level Higher

Prices were advanced on Straits tin, tetrachloride of tin, tartaric acid, cream of tartar, rochelle salt, seidlitz mixture, tartar emetic, corn dextrin, corn sirup, tanner's corn sugar, cornstarch, black and red oxides of copper, metabisulphite of potash, natural methylacetone, domestic casein, gum rosin, castor beans, blackstrap molasses, cocoa butter, gambiers, Alleppey turmeric, shellacs, shellac varnish, feeding tankage, high-grade dried blood at Chicago, and fishmeal in southern California.

Prices were reduced on Chinese needle antimony, gum turpentine, and cottonseed meal in the Southeast.

The REPORTER'S composite index number of prices for heavy and fine chemicals was raised to 131.7 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 93.2, compared with 91.0 at this time last year and 88.8 in 1939.

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Oil, Paint and Drug Reporter, Volume 139, No. 12, March 24, 1941. Published weekly by Oil, Paint, and Drug Publishing Company, Inc., 59 John Street, New York, U. S. A. Telephone: REctor 2-9820. Annual subscription prices:—United States and possessions, Cuba, Mexico, Central America, and South America, $5; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter January 15, 1884, at the Post Office at New York, N. Y., under the Act of March 3, 1879.

Borden, Lilly Medals Awarded by A.C.S.

Prizes of $1,000 each for outstanding contributors to chemical research have been awarded by the American Chemical Society and will be presented on April 7 at the opening session of the society's 101st national meeting in St. Louis, Mo.

Dr. Claude S. Hudson, of Public Health Service, Washington, has been chosen second recipient of the Borden Company award in chemistry of milk. Dr. Hudson, internationally known in the field of sugar chemistry, will deliver a medal address on "Milk Sugar" before the society's division of sugar chemistry and technology.

Dr. David Rittenberg, of the Columbia University School of Medicine, will receive the sixth Eli Lilly & Company award in biological chemistry, for his

—Continued on page 28

Cornell Biochemist To Address A.D.M.A.

Prof. Vincent duVigneaud, head of the department of biochemistry at Cornell University Medical School, will be the guest speaker of the scientific section of the American Drug Manufacturers Association at its first session May 5 in the annual convention in White Sulphur Springs, W. Va. His topic will be "The Isotopes as Tools in Modern Metabolic Investigations and Their Possible Role in Future Studies of Drugs."

Professor duVigneaud will review some of the advances that have been made possible by the isotopes and endeavor to show how these tools may be applied in various drug studies. He is of the opinion that this field holds the possibility of making over the knowledge of the intermediary metabolism of biological substances and drugs. His talk is expected to be of interest to executives, as well as to research workers.

Dr. Alex Silverman Wins Pitts. A.C.S. Award

Pittsburgh, Mar. 20, 1941

Dr. Alexander Silverman, pioneer in glass technology and head of the department of chemistry at the University of Pittsburgh, received the 1940 Pittsburgh Award of the Pittsburgh section of the American Chemical Society at a dinner at the University Club tonight for "outstanding service to the profession of chemical education and for distinguished contributions to industrial chemistry and the ceramic industries."

A new method of making opal glasses was described by Dr. Silverman in his discussion of recent developments in glass. Experiments already tried, he said, indicate that beryllium oxide added to quartzite should increase opacity, as do alumina and similar substances. When beryllium oxide is cheap enough, it will be interesting to see what this will do, he added.

Potash Production Up 20% in 1940

Production in the United States in 1940 of 658,249 short tons of processed or refined potash salts, containing approximately 379,679 tons of K_2O is shown by reports of producers to the Bureau of Mines. This represents a gain over 1939 of 20 percent in material produced and about 22 percent in K_2O.

Sales of potash salts by the producers amounted to 677,892 tons, an increase of 7 percent over 1939, and contained about 393,058 tons of K_2O. The value of the sales amounted to $12,562,050 or about 4 percent more than in 1939. Processed stocks held by producers amounted to about 35,000 tons, containing 16,000 tons of K_2O; stocks of crude mined material held were 37,000 tons, containing 8,000 tons of K_2O.

The principal processed or refined salts produced in 1940 were manure salts, muriate, and sulfate. There was produced commercially in 1940, for the first time in the United States

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Painters Pact Bans Defense Work Strikes

OPD Washington Bureau
March 19, 1941

An agreement to prevent strikes and lockouts on any painting contracts in the country involving national defense work was signed today by representatives of employers and employees.

Spokesmen for the two groups declared that this is the first industry to reach such an agreement since President Roosevelt requested the cooperation of labor and employers to prevent labor disputes from interfering with the defense program.

The agreement provides that where wages have been agreed upon between the union and an employer at the time the employer obtains a defense contract, the wages will not be changed as to that job during the life of the contract even though wage rates may be changed as to other painting jobs in that locality.

A statement issued on behalf of the negotiators said:—

A national labor agreement prohibiting strikes and lockouts on defense work was today consummated between the

—*Continued on page* 37

Flaxseed Crop to Set High Record in 1941

Minneapolis, Mar. 18, 1941

The demand for paint in the defense program has surpassed all estimates and indications are that consumption in 1941 will be the greatest in the history of the industry, according to a study issued by the Flax Institute of the United States, of which W. M. Gilruth is secretary and treasurer The analysis of the situation as issued by the institute follows:—

It takes 10 tons of paint or approximately 1,250 gallons, to protect a 10,000 ton cruiser, and 3,000 to 3,500 gallons to protect a ship of the line. These battle wagons, destroyers, cruisers and even the mosquito fleet are painted every three to six months and with a projected two-

—*Continued on page* 40

Stream Pollution Bill Up in Senate

OPD Washington Bureau
March 17, 1941

Senator Guy Gillette of Iowa introduced a bill into the senate today (S. 1121) identical to the stream pollution bill sponsored in the house two weeks ago by Representative Karl Mundt of South Dakota (H.R. 3778).

Both measures call for a Federal agency within the Public Health Service to carry out plans for control of water pollution. Both would be inoperative where the government finds enforcement would interfere with national defense.

TVA Gets Funds for New Phosphate Plant

OPD Washington Bureau
March 20, 1941

The Tennessee Valley Authority has been given authority by the Bureau of the Budget to divert funds from existing appropriations to install a new furnace at its Muscle Shoals plant which will increase its production of phosphate by approximately 50 percent. TVA is now producing about 100,000 tons of concentrated phosphate fertilizers, and the rate will be increased to 150,000 tons by Fall, under this plan.

The new furnace is estimated to cost approximately $1,000,000.

It is understood that the British government has placed an order for some 40,000 tons of TVA phosphate.

Morgan Denied High Court Review of TVA Ouster Suit

Dr. Arthur E. Morgan, ousted by President Roosevelt three years ago as chairman of the Tennessee Valley Authority, today was denied by Supreme Court of the United States a review of a lower court decision that denied him reinstatement and back salary of $4,583.

Priorities Divison Publishes List of Critical Materials

OPD Washington Bureau
March 19, 1941

New regulations governing the priorities and preference rating system for speeding delivery of materials needed to fill national defense orders were issued today by the Priorities Division of the Office of Production Management.

The regulations disclose for the first time the articles on the hitherto secret "critical" list of the army and navy, on which priorities have been and will continue to be administered by the Army and Navy Munitions Board. A definite division of authority has now been worked out between the board and OPM, with the board handling priorities on the critical list and OPM handling other materials needed by defense contractors.

OPM will use a so-called "preference rating" system except for those articles under formal and mandatory priority orders, but the preference ratings will be binding on suppliers for all practical purposes. Issuance of a preference rating is notice to a supplier to give preference in delivery to the articles named for specified defense contractors, and a system of numbered ratings has been devised to guide the supplier in scheduling deliveries.

Critical Materials Listed

Stipulated ratings are restricted to contracts covering items on the priorities critical list; their assigning will be determined by the use to which such items are to be put. Uses are listed in the priorities directive in the form of projects or groups procurement objectives, together with the accompanying ratings. In connection with this procedure the following definitions have been set up:—

Prime contract is a direct government contract or order, as distinguished from a subcontract.

Original rating is a rating given to a prime contract in favor of the government.

Extended rating is a rating given to the first subcontract in favor of a prime contractor.

Re-extended rating is a rating given to subordinate contracts in favor of a higher subcontractor.

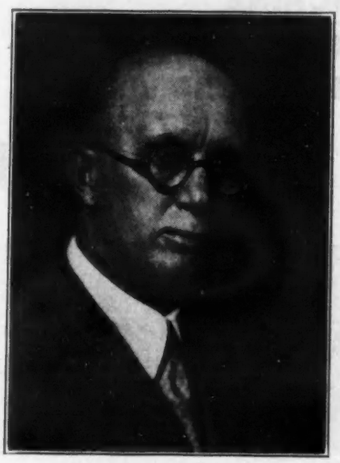
Among the items on the priorities critical list are the following in the category of chemicals and related materials:—

Aluminum and aluminum alloys: pig or fabricated.
Ammonia, anhydrous.
Candles: chemical.
Chemicals: chemical warfare; explosives.
Chlorine.

—*Continued on page* 29

Knight Wins Medal Of Chemists' Institute

Dr. Henry G. Knight, chief of the Bureau of Agricultural Chemistry and Engineering of the Department of Agriculture, has been awarded the medal of the American Institute of Chemists. The award, presented annually for outstanding service to the science of chemistry and profession of chemist in America, will be made at the annual meeting of the institute, to be held in Washington, May 17. The presentation address will be made by Vice-President Henry A. Wallace.



Dr. H. G. Knight

The award is made in recognition of Dr. Knight's outstanding accomplishments in the field of agricultural chemistry and his executive and creative ability as administrator of the four regional research laboratories recently established by Congress to search for new and wider industrial outlets for farm products.

A native of Kansas, Dr. Knight received his A.B. and M.A. degrees from the University of Washington, and his Ph.D. from the University of Illinois. He was director of the experiment

—*Continued on page* 30

A.P.I. Given to May 1 To Answer 'Trust' Charge

OPD Washington Bureau
March 17, 1941

The time for filing answers in the antitrust suit against the American Petroleum Institute and twenty-two major oil companies has been extended to May 1 by an order issued by Judge T. Alan Goldsborough in the U. S. District Court for the District of Columbia.

The date for filing answers had already been extended once to April 1, and the fact that the Department of Justice did not object to a further extension is taken as a strong indication that the department hopes that the case can be settled by a consent decree in the near future so that the case need not go to trial. Conferences looking toward a settlement by decree are now going on between officials of the antitrust division and attorneys for a number of the defendants.

Petroleum Control Laws To Reflect Probe Data

OPD Washington Bureau
March 20, 1941

The clash of interests over Federal policy on regulation of the petroleum industry is expected to come to a head next week at hearings before the petroleum sub-committee of the House committee on interstate and foreign commerce.

The hearings open March 27 and will run for about two weeks, but the first day will be in executive session to discuss national defense aspects with officials of the Army, Navy, and Office of Production Management. Later the committee will hear rperesentatives of other government departments and spokesmen for various

—*Continued on page* 54

Effective Association Functioning Essential to Private Enterprise

By John M. F. Donovan, Jr.
Trade Association Counselor

(Continued from March 17 issue)

VII. Business Ethics for Antitrust Law Observance

The competitive system in industrial production and distribution in the United States involves three fundamental concepts, namely, the recognition and maintenance of individual freedom; the flexibility which characterizes the functioning of competitively organized industry; and the protection of the consuming public against exploitation. Individual freedom forces competition between industrial units and makes necessary adjustments between members of industries which perforce are based upon the free expression of economic wants and the freedom of private enterprise. Each individual business man is free, upon his own initiative and at his own risk, to apply his resources to the production and sale of such goods and services, both in character and quantity, as he deems to be profitable.

Although the attributes of American private enterprise are undoubtedly the foundations upon which our democracy rests and progresses, nevertheless, these very same advantages, under modern industrial administration, have made it impossible for the law to assure the maintenance of free and fair competition in trade and industry. The inability of the law to eliminate business conspiracies and uneconomic practices has not been due to inadequate law enforcement but to the inherent nature of our competitive industrial system which encourages unrestricted pursuit of competitive advantages. This characteristic tends to place small manufacturers at a tremendous disadvantage in competing with their more powerful competitors and results in much economic waste and industrial instability. Such circumstances thus initiate a need for some kind of cooperative activity through trade association administration for the purpose of establishing

—*Continued on page* 34A

Employee Training Programs Help in Today's Emergency

By R. C. Oberdahn
Director, Employment Training Activities, Calco Chemical Division, American Cyanamid Company

(Continued from March 17 issue)

Foreman Training Program

Trained conference leaders conduct our foreman training conferences twice a month. These men have been trained as such by the New Jersey State Department of Public Instruction. Our conference leaders meet as a group a week prior to the regular scheduled foremen conferences and discuss the material, the method, and the procedure to be used in the following foremen's meeting, to make sure that they all have the same presentation and a uniform understanding of company interpretations on material to be presented. We found this to be very essential. At these meetings, topics such as union contracts, man rating, job rating, and company policies, practices and procedures, are discussed. A uniform management interpretation of items discussed is arrived at through the medium of these meetings with the leader acting as the company's interpreter.

The company has been able to establish uniform thinking on the part of the foremen as to the interpretation of its policies to a much higher degree than ever before. We have

—*Continued on page* 34

GANE'S
MEDICINAL CHEMICALS

EPHEDRINE
NATURAL AND SYNTHETIC

ALLANTOIN
AMINOPHYLLINE
BARBITAL
BENZOCAINE
NICOTINIC ACID
NICOTINIC ACID AMIDE
NIKETHAMIDE
PENTOBARBITAL
Sodium, U. S. P.
PHENOBARBITAL
PROCAINE
SULFANILAMIDE

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CINNAMIC ALCOHOL
CITRAL
CITRONELLA OIL SUBSTITUTE
CITRONELLOL
DIMETHYL ANTHRANILATE
ETHYL ANTHRANILATE
GERANIOL, for Soap
GERANIOL, Various Grades
GERANYL ACETATE
IONONE 100%
IONONE C. P., Waterwhite
MENTHOL SYNTHETIC 30°-32°
MENTHOL SYNTHETIC FUSED
MENTHONE
METHYL ANTHRANILATE
METHYL BENZOATE
METHYL CINNAMATE
METHYL NAPHTHYL KETONE
METHYL PHENYL ACETATE
METHYL PHENYL PROPIONATE
MUSK AMBRETTE
MUSK KETONE
MUSK XYLOL
PARA CRESOL METHYL ETHER
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45 WEST 16th STREET, NEW YORK, N. Y.

Current Market Quotations

March 21, 1941

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

RECEIVED MAR 24 1941 LIBRARY THE CHEMISTS' CLUB

A

Acacia (see Gum, arabic).

Acetal, dms., dlvd.....lb. .75 - 1.00

Acetaldehyde, 99%, dms., 55 & 110 gls., works..lb. .11 - —
5 & 10 gls., works.....lb. .14 - —

Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works.lb. .70 - —

Acetamide, tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —

Acetanilide, tech., cryst., bbls..lb. .29 - .31
powd., bbls.....lb. .27 - .29

Acetanilide, USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25-lb. lots.....lb. .38 - —
kgs., 2,000-lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000-lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25-lb. lots.....lb. .36 - —
kgs., 2,000-lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —

Acetoacetanilide, dms.....lb. .47 - .65

Acetone, CP, dms., c.l., dlvd..lb. .07¼- —
l.c.l., dlvd.....lb. .08 - —
tanks, dlvd.....lb. .06 - —

Methyl (see M).

Acetophenone, bots.....lb. 1.60 - —
cns., 25 to 50 lbs.....lb. 1.30 - 1.35
dms., 100 lbs.....lb. 1.27 - —

Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs.....lb. 1.02 - —
25 lbs.....lb. 1.05 - —

Acid, abietic, dms., c.l., f.o.b. all points in U. S. E. of and including Kans., Neb., N. D., Okla., S. D., Tex. E. of Austin and Brownsville..lb. .08¾- —
l.c.l., same terms.....lb. .09 - .12

Acetic, com'l or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys., cs.....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys., cs.....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys., cs.....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys., cs.....100 lbs. 6.39 - 6.64
glacial, nat., CP, cbys.100 lbs.14.00 - —
99.5%, bbls.....100 lbs. 7.62 - 7.87
l.c.l., same terms.....lb. .09 - —
cbys. .....100 lbs. 8.12 - 8.37
tanks .....100 lbs. 5.00 - 5.50
USP, bbls.....100 lbs. 10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
synth., 99.5%, al. dms.100 lbs. 8.43 - 8.68
tanks .....100 lbs. 5.50 - —
USP XI, al. dms..100 lbs.10.25 -11.00
C.P., dms.....100 lbs.13.50 -14.00
pure, 30%, bbls.....100 lbs. 3.28 - 3.53
cbys., cs.....100 lbs. 3.78 - 4.03
56%, bbls.....100 lbs. 3.66 - 3.91
cbys., cs.....100 lbs. 4.16 - 4.41
80%, bbls.....100 lbs. 6.15 - 6.40
cbys., cs.....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys., cs.....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply dlvd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13

Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls..lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls..lb. .40 - —

Adipic, fib. dms., works...lb. .31 - —

Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —

Arsenous, tech. (see Arsenic, White).

USP, powd., dms., kegs....lb. .20 - .22

Ascorbic, bots., dms.....oz. 2.00 - 2.05

Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works....100 lbs. 2.55 - —

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs or less.....lb. .47 - —

USP, bbls., 4,000 lbs. or more, lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60

Boric, tech., 99.5%, gran., bulk, frt. alld..ton.98.50 - —
bgs., c.l., frt. alld...ton.96.00 - —
ton lots, ex whse...ton.108.00 - —
less than ton lots, ex whse..ton.113.00 - —
bbls., c.l., frt. alld..ton.106.00 - —
ton lots, ex whse..ton.118.00 - —
less than ton lots, ex whse..ton.123.00 - —
powd., bgs., c.l., frt. alld. ton.101.00 - —
ton lots, ex whse...ton.113.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton131.00 - —
ton lots, ex whse...ton.123.00 - —

Acid, boric, tech., 99.5%, powd., bbls., less than ton lots, ex whse..ton.128.00- —
USP, $25 per ton higher.

Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —

Broenner's bbls.....lb. 1.11 - —

Camphoric, cns.....lb. 7.00 - —

Capric, dms.....lb. .13 - .13½

Caproic, dms., works.....lb. .25 - .80

Carbolic (see Phenol).

Caprylic, dms.....lb. .17½- —

Castor oil, split, dms.....lb. .15 - .15½

Chlorosulphonic, d m s., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —

Chromic, 99%, dms., c.l., dlvd. N.Y..lb. .15¾- —
l.c.l., 5 tons, dlvd., N.Y., lb. .15¾- —
smaller quantities, dlvd., N.Y..lb. .16¾- .17¼

Cinnamic, refd., bots.....lb. 2.85 - 3.25

Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —

anhydr., gran., dms., 10,000 lbs., 1 shipt...lb. .23 - —
smaller lots.....lb. .23½- —

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N.Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .57 - —

Coconut oil, dms.....lb. .11 - .11½

Cottonseed oil, dist., dms..lb. .07¾- .07¾
tanks .....lb. .06¾- —

Cresylic (coaltar) high-boil 50%, 210°-215°, dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis....gal. .70 - —

special blends (50%, 210°-215°), dms., c.l., works, frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —

low-boil (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis....gal. .70 - —

special blends (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —

imported, pale, dms...gal. .63 - .65

Cresylic (petroleum), high-boil (240°-360°), non-return dms., c.l., works, East. U. S..gal. .43 - —
l.c.l., same basis....gal. .44 - .45
tanks, dlvd., East. U.S.gal. .389 - —

medium-boil (222°-249°), non-return dms., c.l., works, East. U.S..gal. .49 - —
l.c.l., same basis....gal. .50 - .51
tanks, dlvd., East. U.S.gal. .448 - —

Crotonic, 10 bbls. or more, dlvd..lb. .21 - —
smaller lots, dlvd.....lb. .26 - —
smaller containers, dlvd....lb. .50 - —

Diethylbarbituric (see Barbital).

Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 25 cbys. and over..lb. .11 - —
1-24 cbys.....lb. .11½- —

Fumaric, bbls., 1-ton delivery.. lb. .24 - —
smaller lots.....lb. .25 - .26

Gallic, tech., bbls.....lb. .90 - .93

N.F. VI, bbls., 200 lbs., 5 or more..lb. 1.07 - —
single bbls.....lb. 1.10 - —
fib. dms., 25 lbs.....lb. 1.16 - —

Gamma, bbls.....lb. .85 - —

Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs.....lb. .15 - —
25 or 50-lb. demijns.....lb. .21 - .26
5-lb. bots.....lb. .29 - —

H, bbls.....lb. .45 - —

Hydriodic, 45-47%, cbys.....lb. 2.42 - —
5-lb. bots.....cbys.....lb. 2.68 - —

57%, bots.....lb. 2.90 - —

Hydrobromic, 10% dilute, cby. lb. .29 - —
concentrated, 34%, cby.....lb. .35 - —

Hydrochloric (see Muriatic).

Hydrocyanic, cyls., works....lb. .80 - 1.00

Hydrofluoric, 30%, bbls.....lb. .06 - .06½
rubber, dms.....lb. .08 - .08½

48%, lead, cbys.....lb. .12 - —
rubber, dms.....lb. .11 - —

52%, lead, cbys.....lb. .12 - —
rubber, dms.....lb. .12 - —

60%, lead cbys.....lb. .14 - —
rubber, dms.....lb. .13 - —

Hydrofluosilic, 30-35%, 420 lbs., bbls..lb. .09 - .09¼

Hypophosphorus, USP, 30%, djns..lb. .75 - .80

Lactic, tech., dark, 22% bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., works.....100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —

44% bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works... 100 lbs. 5.75 - —
cbys., works...100 lbs. 6.75 - —

light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works.....100 lbs. 3.75 - —
cbys., works....100 lbs. 4.75 - —

44%, bbls., c.l., works.... 100 lbs. 6.50 - —
l.c.l., works.....100 lbs. 6.75 - —
cbys., works...100 lbs. 7.75 - —

50%, edible, 20 or more, cbys..lb. .10½- .11½
5 to 19, cbys.....lb. .11 - .12
1 to 4 cbys.....lb. .11½- .12½

Acid, lactic, plastic grade, bbls., cbys., 20 or more..lb. .12½- .13½
5 to 10, cbys.....lb. .12¾- .13¾
1 to 4, cbys.....lb. .13¾- .14½

80%, bbls., cbys., 5 or more..lb. .21 - .22
1 to 4, cbys.....lb. .21½- .22½

USP, XI, 85%, cbys.....lb. .42 - .45

USP, VIII, 75%, cbys.....lb. .40 - .43

Lauric, dist., tech., dms.....lb. .12 - .12½

Laurent's, bbls.....lb. .45 - —

Linseed oil, light, dms.....lb. .12¾- .13¼

Maleic, powd., dms.....lb. .50 - —
anhydride, dms., c.l.....lb. .25 - —
l.c.l.....lb. .26 - —

Malic, powd., kegs.....lb. .47 - —

Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs.....lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.15

Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009

Molybdic, kegs, works.....lb. .95 - 1.10

Monochloracetic, tech., bbls..lb. .15 - .18

Monosulphonic, bbls.....lb. 1.50 - —

Muriatic, 18°, cbys, c.l., E., works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —

20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works...100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —

22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works...100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —

C.P., dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .17½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .19 - —

Myristic, dist., dms.....lb. .16½- .17

Naphthenic, dom., acidity 160, dms., c.l., works..lb. .06½ Nom.
l.c.l., works.....lb. .07 Nom.
tanks, works.....lb. .06 Nom.

220 min. acidity, dms., c.l., works..lb. .09 Nom.
l.c.l., works.....lb. .09½ Nom.
tanks, c.l., works.....lb. .08 Nom.

240 min., acidity, dms., c.l., works..lb. .10 Nom.
l.c.l., works.....lb. .10½ Nom.
tanks, works.....lb. No prices

Nicotinic, 100-lb. cns.....lb. 7.15 - —
50 lb. cns.....lb. 7.25 - —
25-lb. cns.....lb. 7.30 - —
5-lb. bots.....lb. 7.46 - —
1-lb. bots.....lb. 7.50 - —

Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —

38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —

40°, cbys., c.l., E. works, 160 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —

42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —

C.P., USP, dealers, cbys...lb. .11¼- —
7-lb. bots.....lb. .21½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .23 - —

Oleum (see sulphuric fuming).

Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs. and over.....lb. .11 - —
smaller quantities.....lb. .12 - .14

Palmitic, bgs.....lb. .09¾- .10¼

Palm oil, white, dist., dms..lb. .07½- .08
tanks .....lb. .07 - —

Phenylacetic, bots.....lb. 1.50 - 1.95

Phosphoric, ortho, tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .07¼- —

USP, 85%, s. g. 1.710, cbys., 180 lbs..lb. .12 - —
50%, s. g. 1.347, cbys., 70 lbs..lb. .12 - —
dms., 25 lbs.....lb. .15 - —

10%, dilut., cbys., djns...lb. .07 - .07½

Picramic, kgs.....lb. .65 - .70

Picric, bbls.....lb. .35 - —

Propionic synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works.....lb. .11 - —

Pyrogallic, tech., kump, powd., bbls..lb. 1.20 - —
cns. .....lb. 1.25 - —

USP, cryst., cns.....lb. 1.70 - —
resubl., cns.....lb. 2.20 - —

Pyroligenous, bbls., dlvd. E.gal. .25 - —

Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., c.l., works.....lb. .27 - —
l.c.l., works.....lb. .28 - .33

Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40

Sebacic, CP, bbls., works....lb. No prices
tech., bbls., works.....lb. No prices

Soybean oil, dist., dms.....lb. .09 - .09½

Stearic, dist., double pressed, bgs., dlvd..lb. .11 - .12
single pressed, bgs., dlvd..lb. .10½- .11½
triple pressed, bgs., dlvd..lb. .13¾- .14¾

Acacia—Alcohol

Acid, stearic, saponif., double pressed, bgs., dlvd..lb. .11¼- .12¼
triple pressed, bgs. dlvd..lb. .14 - .15

Succinic, bbls.....lb. .75 - —

Sulphanilic, CP, bots., works.lb. 1.60 - 1.65
tech., dms., works.....lb. .17 - —

Sulphonaphthenic, dms.....lb. .04 - .10

Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E, works.....ton.13.00 - —

66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E, works.....ton.16.50 - —

98°, tanks, works.....ton.17.50 - —

CP, USP, dealers, cbys.....lb. .06½- —
9-lb. bots.....lb. .18½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .17 - —

fuming, 20%, tanks, E. works, ton.18.50 - —

Tannic, tech., bbls., dms....lb. .54 - .56

USP, fluffy, bbls., 1,000-lb. lots..lb. .98 - —
100-lb. lots.....lb. 1.00 - —
25-lb. lots.....lb. 1.03 - —
powd., bbls., 1,000 lbs....lb. .88 - —
smaller lots.....lb. .90 - —

Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment..lb. .63½- —
smaller quantities...lb. .64 - —
kgs. .....lb. .64½- —

Tobias, bbls.....lb .55 - .60

Trichloroacetic, bots.....lb. 2.00 - 2.50

Tungstic, CP, kgs., works...lb. No prices
Chem. grade, kgs., works..lb. No prices

Aconite, leaves, bls.....lb. .38 - .42
Root, bls.....lb. .45 - .50

Aconitine, amorph., bots.....oz.23.00 - —
vls. .....gr. 1.00 - —
cryst., bots.....oz.42.00 - —
vls. .....gr. 1.60 - —

Acrylonitrile, dms., c.l.....lb. .34½- —
5,000 lbs. or more.....lb. .35 - —
1 ton to 4,999 lbs.....lb. .35½- —
1 dm. to 1 ton.....lb. .36 - —
tank cars.....lb. .34 - —

Adeps lanae, anhyd., dms.....lb. .19 - .20
hyd., dms.....lb. .17 - .18

Agar, 1, bls.....lb. 1.40 - 1.45
3, bls.....lb. No prices

Agaric, white, bls.....lb. No stocks

Albumen, blood, dark, flake, bags, f.o.b. Chicago, frt. alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis.lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .55 - .63
import, bgs.....lb. No prices

Eggs, ed., dom., cryst., bbls..lb. .65 - .68
powd., dms., bbls.....lb. .70 - .75
import, cs. .....lb. .76 - Nom.

Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld..lb. .121 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .111 - —
normal, dms., l.c.l., wks...lb. .25 - —
Tertiary, refd., dms., l.c.l., frt. alld..lb. .09 - —

Benzyl, cns.....lb. .68 - —
drums .....lb. .62 - —

Butyl, normal, cns., works...lb. .14½- .16½
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
tankwagon, frt. alld.....lb. .09½- —

secondary, dms., c.l., frt. paid E. of Miss. R..lb. .08½- —
l.c.l., same terms.....lb. .08¾- —
tanks, same terms.....lb. .07¼- —

tertiary, denaturing, c.l., dms..lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11½- —

Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .95 - —

Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l, dms.....lb. .95 - —

Cinnamic, bots.....lb. 2.00 - 2.50

Denatured, CD14, dms. c.l., works, E..gal. .32½- —
l.c.l., works, dms.....gal. .37½- —
tanks, E., works.....gal. .26½- —

Prices for territories other than E. of Rockies are 4c. per gal. in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1 190 pf., bbls., c.l., E. works..gal. .31½- —
10 bbls., E. works...gal. .33½- —
1 to 18 bbls., E. works, gal. .36½- —
dms., c.l., E. works...gal. .30½- —
19 dms., E. works...gal. .32½- —
1 to 18 dms.....gal. .35½- —
tanks, E. works.....gal. .24½- —
Anhydrous 3c. per gal. higher.

SD2B, dms., c.l., works, E. gal. .28½- —
19 dms., works, E....gal. .30½- —
1 to 18 dms., works, E. gal. .33½- —
tanks, E. works.....gal. .23½- —

Alcohol—Bismuth Salts

Alcohol, denatured, SD23G, works, E., c.l., dms..gal. .34½- —
19 dms.....gal. .36½- —
1 to 18 dms.....gal. .39½- —
tanks .....gal. .28½- —
Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in drums, higher.
Special solvent, dms., c.l., works..gal. .31½- —
20 dms., to c.l.....gal. .33½- —
1 to 19 dms.....gal. .36½- —
tanks, E. works.....gal. .25½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone-free, dms., c.l., dlvd..lb. .10½- —
l.c.l., dlvd.....lb. .11 - —
tanks, dlvd.....lb. .09½- —
tech., dms., c.l., dlvd.....lb. .10 - —
l.c.l., dlvd.....lb. .10½- —
tanks, dlvd.....lb. .09 - —
Ethyl, 190 pf., ex. molasses, dms., c.l..gal. 6.00½- —
19 dms.....gal. 6.04 - —
5 to 18 dms.....gal. 6.07 - —
1 to 4 dms.....gal. 6.07 - —
tanks .....gal. 5.94½- —
absolute, dms., c.l.....gal. 6.35½- —
19 dms.....gal. 6.39 - —
5 to 18 dms.....gal. 6.42 - —
1 to 4 dms.....gal. 6.42 - —
Ethyl alcohol in bbls. 1c. higher than dms.
Grain alcohol 25c. gal. higher.
Ethylhexyl, dms., c.l., works..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl (see Carbinol Isobutyl).
Isobutyl, refd., dms., works..lb. .0790- —
tanks, same terms.....lb. .0690- —
Isopropyl, refd., 91%, dms., 5 gals., f.o.b. dest..gal. .66½- —
55 gals., c.l., same basis, gal. .35 - —
l.c.l., same basis...gal. .40 - —
tanks, frt. alld.....gal. .30 - —
99%, dms., 5 gals., same basis..gal. .65 - —
55 gals., c.l., same basis, gal. .38 - .42
l.c.l., same basis...gal. .43 - .47
tanks, same basis.....gal. .33 - .37
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.30 - 3.35
Polyvinyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls..lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .69 - —
less than 2,000 lbs.....lb. .65 - —
Propyl, normal, dms., works, gal. .70 - —
Octyl (see ethylhexyl alcohol).
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N. Y..lb. .44 - —
450-lb. lots, same basis...lb. .50 - —
cns., f.o.b., Cedar Rapids, Ia. lb. .55 - —
Aldehol, denat., grade, dms., tanks, works..gal. .70 - .72
Aldehyde bisulphite, bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5-10-gal. dms., works...lb. .15 - —
Alstris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .67 - .69
Alpha tocopherol, ampules, per gram. 1.00 - 1.10
Aloe, Cape, cs.....lb. .18 - .19
Curacao, cs.....lb. .53 - .54
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .42 - .45
Aloin, 140-lb. bbls.....lb. 3.25 - 3.60
100-lb. kgs.....lb. 3.27 - —
25-lb. fib. dms.....lb. 3.34 - 3.64
Alphanaphthol, bbls.....lb. .32 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. .90 Nom.
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
dlvd. N. Y., Phil....100 lbs. 3.50 - —
lump, bbls., works.....100 lbs. 3.75 - —
dlvd. N. Y., Phil....100 lbs. 3.75 - —
powd., bbls., works...100 lbs. 3.90 - —
dlvd. N. Y., Phil...100 lbs. 3.90 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, dlvd. N.Y. price apply to truck or ex warehouse.

Potash, gran., bbls., works.... 100 lbs. 3.75 - —
dlvd. N. Y., Phila...100 lbs. 3.75 - —
lump, bbls., works....100 lbs. 4.00 - —
dlvd. N. Y., Phila..100 lbs. 4.00 - —
powd., bbls., works....100 lbs. 4.15 - —
dlvd. N. Y., Phila..100 lbs. 4.15 - —
Potash alum prices on same basis as those for ammonia alum.
Potash, chrome, bbls.....lb. No price
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, tech., basic, powd., insoluble, bbls., 10 or more, dlvd..lb. .35 - —
1 to 9, dlvd.....lb. .40 - —
smaller containers...lb. .50 - —
soluble, bbls., dlvd....lb. .33 - —
smaller containers, dlvd., lb. .45 - —
solut., 24%, bbls., c.l., dlvd..lb. .07½- —
l.c.l., 10 or over, dlvd. lb. .08¼- —
1 to 9, dlvd.....lb. .0863- —
normal, pwd., bbls., dlvd. lb. .33 - —
smaller containers, dlvd. lb. .35 - —
solut., 20%, bbls., c.l., dlvd..lb. .08 - —
l.c.l., 10 or over, dlvd. lb. .08½- —
1 to 9, dlvd.....lb. .09 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 375 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —
Alumina, chloride, cryst., com'l. dms., c.l., works..lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Formate, 30% solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works.....lb. .03½- —
bgs., c.l., works.....lb. .0260- —
light, bgs., c.l., dlvd.....lb. .12 - —
l.c.l., bgs., dlvd.....lb. .12½- —
bbls., c.l., dlvd.....lb. .12½- —
l.c.l., bbls., dlvd.....lb. .13 - —
Oleate, dms., contract.....lb. .17½- —
open order.....lb. .17½- .20
Palmitate, precip., bbls.....lb. .20½- .21½
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .18 - —
l.c.l. .....lb. .19 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
l.c.l., works, frt. equald. 100 lbs. 1.40 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., works, frt. equaled. 100 lbs. 1.60 - —
iron free, bgs., c.l., works, 100 lbs. 1.60 - —
l.c.l., works.....100 lbs. 1.85 - —
bbls., c.l., works....100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.05 - —
Aluminum, 98-99%, c.l.....lb. .17 - —
l.c.l. .....lb. .18 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .60½- —
ink, dms., 1,500 lbs....lb. .70½- —
standard, dms., 1,500 lbs...lb. .37½- —
powder, lining, extra fine, dms., 1,500 lbs..lb. .91 - —
standard, dms., 1,500 lbs..lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
lining, dms., 1,500 lbs....lb. .57 - —
standard, dms., 1,500 lbs..lb. .39 - —
rubber compound, dms., 1,500 lbs...lb. .38 - —
unpolished, dms., 1,500 lbs. lb. .36 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .41 - —
extra fine, dms., 1,500 lbs.lb. .43 - —
standard, dms., 1,500 lbs..lb. .38 - —
Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 7c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.
Ambergris, gray, tins.....oz. 15.00 - 23.00
Aminome thylpropanol, dms., works..lb. .50 - —
5 and 10-gal. cans, works..lb. .60 - —
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.22 - 4.25
Ammonia, acetate, bbls., kgs., dlvd..lb. .27 - .33
dms., dlvd.....lb. .23 - .26
Aldehyde, dms., works.....lb. .65 - .79
Anhydrous, fertilizer, f.o.b. Belle, W. Va., frt. equal with Hopewell, Va..ton. 90.00 - —
refrigeration, tanks, works, lb. .05 - —
pure, cycls., dlvd., met. N.Y., lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content), f.o.b. works..lb. .04 - —
Benzoate, dms., kgs., 4,000 lbs. or more..lb. .40 - —
1,000 lbs. to 3,900 lbs...lb. .41 - —
900 lbs., or less.....lb. .42 - —
Bicarbonate, dms., dlvd., Met. N.Y..lb. .0564- .0614
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .14 - .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .31 - —
bxs. .....lb. .34 - .35
kegs .....lb. .32 - —
Carbonate, lump, dms., dlvd., Met. N.Y..lb. .08¼- .09¼
cns., same basis.....lb. .14¼- —
powdered, 1c. per lb. higher.
Chloride, tech., (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .13
100-lb. kgs.....lb. .15 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
50-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .84 - .85
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .25
pure gran.....lb. .32 - —
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs., dom.....lb. .21 - .22
Phosphate, dibasic, N.F.V., bls., lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
monobasic, crude (fert. grade), 11% N 48% phos., bulk, f.o.b. E. works.. unit-ton. No prices
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .08¾- .09¼
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Silicofluoride, bbls.....lb. .11½- .15
Stearate, anhydrous.....lb. .24½- —
paste .....lb. .06½- —
Sulphate, dom., bulk, c.l., contr., f.o.b. cars, ports, Jan.-June shipt..ton. 29.00 - —
spot, same basis.....ton. 30.00 - —
Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.
Sulphide, liquid, 40-45%, basis, 100%, dms., c.l., works..lb. .07½- —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .07½- —
Ammonia, sulphide, red, 48%, cbys., works..lb. .08 - —
dms., works.....lb. .06 - —
yellow, 43%, cbys., works..lb. .08 - —
dms., works.....lb. .06 - —
Sulphocyanide, pure, 99-100%, kgs..lb. .65 - —
tech., kgs.....lb. .40 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l. 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.15 - —
import, cnks.....100 lbs. No prices
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
cns., works.....lb. .16 - .18
ex Pentane, dms., c.l., frt. alld..lb. .115 - —
l.c.l., frt. alld.....lb. .125 - —
tanks, frt. alld.....lb. .10½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .0565- —
l.c.l., works.....lb. .0665- —
tanks, works.....lb. .0465- —
Naphthalenes, mixed, crude, l.c.l., dms., works..lb. .15 - —
refd., l.c.l., dms., works..lb. .17½- —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works....lb. .25 - —
Salicylate, 5 lbs., bots.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works...lb. .26 - —
Amylene, dms., c.l., works.....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.10 - 1.15
Angelica root, dom., bls.....lb. .35 - .40
import., natural, bls.....lb. 1.75 - 1.80
twisted, bls.....lb. 1.95 - 2.00
Angosturo bark, bls.....lb. .30 - .35
Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. .29 - .30
Cyprus, bgs.....lb. .28 - .28½
Mexican, bgs.....lb. No stocks
Star .....lb. .21 - .21½
Anisic aldehyde, bots.....lb. 2.85 - 2.90
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06 - .06½
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 Nom.
Needle, brown, Bolivian, 67%.. lb. .16 - —
Chinese, black, 70%.....lb. .22 - .24
Oxide, bgs., c.l., dlvd.....lb. .12 - .13
l.c.l., dlvd.....lb. .13½- .14½
Salt, 65%, dms.....lb. .28 - —
bbls. .....lb. .36 - —
White pigment, bgs.....lb. .11½- .14½
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz. 23.20 - 23.70
Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .11 - .12
Arecoline hydrobromide, bots.oz. 5.25 - 6.10
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos. No prices
Arnica flowers, bls.....lb. 5.00 Nom.
Root, bls.....lb. 1.25 Nom.
Arrowroot, St. Vincent, powd., bgs..lb. .09 - .09½
bbls. .....lb. .09½- .10
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots..lb. 5.58 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03½- —
l.c.l. .....lb. .04¼- —
Asafetida, cs.....lb. .36 - .37
powd., bbls., bxs.....lb. .54 - .55
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l., (20 tons), Canad. mines..ton. 42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton. 40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton. 30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton. 26.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton. 24.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton. 20.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton. 17.50 - —
7M, bgs., c.l (30 tons), Canad. mines..ton. 15.00 - —
Asphaltum, Manjak No. 10, crude, tons, f.o.b plant.....lb. .04½- — smaller lots, f.o.b. plant, lb. .05½- —
process form, bgs., 20 tons, f.o.b. plant..lb. .05 - —
smaller lots, f.o.b. plant, lb. .06 - —
California, dms., c.l., f.o.b. N.Y..ton. 29.00 - —
l.c.l., f.o.b. N. Y.....ton. 36.50 - —
Cuban A, bgs., c.l., f.o.b. N.Y. ton. 60.00 - —
l.c.l., f.o.b. N. Y.....ton. 90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton. 35.00 - —
l.c.l., f.o.b. N. Y.....ton. 55.00 - —
Egyptian, bgs., c.l., f.o.b. N.Y., lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. point, ton. 32.00 - —
seconds, bgs., c.l., Western shipt. points..ton. 25.50 - —
selects, bgs., c.l., Western shipt. points..ton. 32.90 - —
l.c.l., f.o.b. N. J. or N. Y., whse..ton. 58.00 - —
jet, bgs., c.l., Western shipping points..ton. 30.50 - —
Mexican, Texas, dms., c.l., refinery..ton. 19.00 - —
l.c.l., refinery.....ton. 21.00 - —
tanks, refinery.....ton. 16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .13 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton. 12.50 - 14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans, refinery...gal. .06 - —
Atropine, bots.....oz. 6.75 - 7.50
Sulphate, bots.....oz. 5.45 - 6.50

B

Balm of Gilead buds, bgs.....lb. .40 - .45
Barberry bark, bgs.....lb. .55 - .60
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —
Barium carbonate, natural, 99% thru 200 mesh, bgs., c.l., works..ton. 43.00 - —
precip., bgs., c.l., works..ton. 45.00 - —
l.c.l., works.....ton. 50.00 - —
bbls., c.l., works.....ton. 50.00 - —
l.c.l., works.....ton. 55.00 - —
Sulphur-free, c.l., works..ton. 50.00 - —
l.c.l., works.....ton. 55.00 - —
Chlorate, kgs.....lb. .45 Nom.
Chloride, CP, cryst., bbls....lb. .25 - —
tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Miss., north of Ark. line .....ton. 77.00 - —
bbls., same basis..ton. 79.00 - —
l.c.l., bgs., same basis, ton. 90.00 - —
bbls., same basis...ton. 92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton. 81.00 - —
bbls., same basis...ton. 83.00 - —
l.c.l., bgs., same basis, ton. 94 00 - —
bbls., same basis...ton. 96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz. ton. 87.00 - —
bbls., same basis...ton. 89.00 - —
l.c.l., bgs., same basis, ton. 100.00 - —
bbls., same basis...ton. 102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton. 85.00 - —
bbls., same basis...ton. 85.00 - —
l.c.l., bgs., same basis, ton. 96.00 - —
bbls., same basis...ton. 98.00 - —
Dioxide, dms., c.l., works....lb. .10 - —
l.c.l., same basis.....lb. .12 - .15
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06½- .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .08¼- .10½
Oxide, ungrd., dms., c.l., works, lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .12 - .16
Sulphate, tech., (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09¼- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton. 25.15 - —
l.c.l., same basis.....ton. 26.15 - —
paper bags, c.l., St. Louis, ton. 22.85 - —
l.c.l., same basis.....ton. 23.85 - —
ex whse., New York....ton. 31.50 - —
Southern, off color, bulk mines, ton. 12.00 - —
95.75%, bulk mines.....ton. 16.00 - —
ore, bulk mines.....ton. 7.00 - —
Cuban, crude, c.l., c.i.f.....ton. 11.00 - —
German, grd., bbls., c.l., dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
ungrd., bulk, c.l., ex dock.ton. No prices
Italian, grd., bbls., c.l., ex dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
Bauxite, bulk mines.....ton. 7.00 - 10.00
Bay leaves (see Laurel leaves).
Bay rum, import, bbls.....lb. .82 - .90
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. 1.75 - 1.80
Root, bls.....lb. 2.00 Nom.
Bentonite, 200 mesh, bgs., Wyo., works..ton. 11.00 - —
325 mesh, bgs., Wyo., works, ton. 16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .45 - .50
(N.F. VI, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, dms., returnable, works..gal. .19 - —
tankcars, frt. alld. E. of Omaha, gal. .14 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .14 - —
Benzoyl chloride, cbys.....lb. .23 - .26
Peroxide, pure, gran., fl., ctns, works...lb. 1.95 - —
Benzyl acetate, f.f.c., cans....lb. .49 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans.lb. .84 - —
dms. .....lb. .80 - —
Chloride, 95.97%, rf.d., dms., lb. .19 - .21
Cinnamate, cns.....lb. 4.15 - 5.50
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb. 16.75 - 17.25
Hydrochloride, cns.....lb. 16.75 - 17.25
Sulphate, cns.....lb. 16.75 - 17.25
Berberis root, bls.....lb. .12 - .13
Betanaphthol, sublimed, kgs....lb. .80 - —
tech., bbls., c.l., works...lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib. dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.70 - —
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots....lb. 1.45 - —
cns. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.38 - —
fib. dms.....lb. 1.13 - —
Subcarbonate, bots., cns.....lb. 1.82 - 2.08
fib. dms.....lb. 1.73 - 1.76
X-ray, 5-lb. bots.....lb. 3.02 - —
fib. dms.....lb. 2.96 - —
Subgallate, bots., cns.....lb. 1.77 - 2.00
fib .dms.....lb. 1.68 - 1.71
Subiodide, cns.....lb. 4.01 - —
fib. dms.....lb. 3.98 - —
Subnitrate, powd., bots., cns.lb. 1.57 - 1.85
fib. dms.....lb. 1.48 - 1.51
Subsalicylate, 60-65%, bots...lb. 2.59 - —
bbls., fib. dms.....lb. 2.50 - —

Bismuth, subphocarbolate, 5-lb. bots..lb. 3.61 - —
fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —
Bismuth-ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld.E..lb. .17 - —
l.c.l., frt. alld. E.....lb. .17½- —
3, bbls., bgs., c.l., frt. alld. E., lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
4, bbls., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.... ..lb. .10 - —
5, bbls., bgs., c.l., frt. alld. E., lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
6, bbls., bgs., c.l., frt. alld. E., lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E., lb. .10 - —
l.c.l., frt. alld. E.....lb. .10½- —
8, bbls., bgs., c.l., frt. alld. E., lb. .11 - —
l.c.l., frt .alld. E.....lb. .11½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants.lb. .03075- —
f.o.b. North Atlantic ports..lb. .03950- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07025- —
dlvd..lb. .07025- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .02925- —
f.o.b. North Atlantic ports..lb. .02925- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .06525- —
dlvd..lb. .06525- —
bulk, cars, c.l., f.o.b. plants, lb. .02¾- —
f.o.b. New York harbor..lb. .0363- —
All carbon black prices are for delivery in March.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, pure, bbls., l.c.l., works..lb. .08¾- —
2, bbls., l.c.l., works.....lb. .08 - —
Ivory, genuine, bbls.....lb. .30 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
vine, A, bbls., works or N. Y., lb. .04¼- —
B, bbls., works or N. Y..lb. .05½- —
works..lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
Black dyes are listed under Dyes.
Black Haw, root bark, bls.....lb. .40 - .45
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .23
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
direct process, bgs., c.l., works, frt. equaled..ton.70.00 - —
l.c.l., same basis...ton.75.00 -90.00
pulp, 66⅔%, bbls., c.l., works, ton.35.00 - —
l.c.l., works.....ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.75 - —
high-grade, gr., 16-17 ammon., bulk, f.o.b. Chicago, unit-ton. 3.00 - —
import, bgs., c.i.f. ports, ship..unit-ton. 2.65 - —
soluble (see Albumen, blood).
Bloodroot, bls.....lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .80 - .85
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, contracts..lb. .33 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, contracts..lb. .33 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.00 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis, contracts..lb. .33 - —
Molybdated, Victoria, same basis, contracts..lb. 3.15 - —
Peacock, concentrated, same basis, contracts..lb. .52 - —
regular, same basis, contracts, lb. .35 - —
Potash, dom., bbls., same basis, contracts..lb. .42 - —
Prussian, bbls., same basis, contracts..lb. .33 - —
Tungstated, peacock, kgs....lb. 3.75 - —
Victoria, kgs.....lb. 3.15 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald..lb. .22 - .24
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .27
Blue, ultramarine, dlvd., ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis, alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blue mass, USP, cns., tubs....lb. 1.67 - 1.84
powd., cns., dms.....lb. 1.60 - 1.62
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.32.50 - —
import, bgs., c.i.f. ports..ton.33.00 - —
meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.34.00 -35.00
import, bgs., c.i.f. ports..ton.33.00 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.).
steamed, dom., 1½% ammon., 60% phos., bgs., f.o.b. Chicago..ton.40.00 - —
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.40.00 - —
Boneset leaves, bls.....lb. .08½- .09
Borage flowers, bls.....lb. .45 - .48
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.40.50 - —
bgs., c.l., frt. alld.....ton.43.00 - —
ton lots, ex whse....ton.54.00 - —
less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld...ton.53.00 - —
ton lots, ex whse....ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
bgs., c.l., frt. alld....ton.48.00 - —
ton lots, ex whse....ton.59.00 - —
less than ton lots, ex whse...ton.34.00 - —
bbls., c.l., frt. alld...ton.58.00 - —
ton lots, ex whse....ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse basis, frt. alld. to dest. in lots 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - —
single pkg., same basis..lb. .30 - —
Bromoform, USP, 100-lb. lots, bots..lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .12 - .18
Brown, iron oxide, pure precip., cks., f.o.b. N.Y..lb. .11½- —
Metallic, iron oxide, bbls., wks., lb. .02¼- —
paper bgs., c.l., works.....lb. .0210- —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03¼- —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .13 - —
2, bbls., same basis...lb. .12 - —
3, bbls., same basis...lb. .11 - —
4, bbls., same basis...lb. .09½- —
5, bbls, same basis...lb. .09½- —
6, bbls., same basis...lb. .09 - —
7, bbls., same basis...lb. .08¾- —
8, bbls., same basis...lb. .08½- —
9, bbls., same basis...lb. .08 - —
10, bbls., same basis...lb. .08 - —
11, bbls., same basis...lb. .07½- —
12, bbls., same basis...lb. .07 - —
13, bbls., same basis...lb. .06¾- —
14, bbls., same basis...lb. .06¼- —
Raw, American, bbls., f.o.b. works..lb. .02¾- —
Italian, Group 1, bbls., f.o.b. N.Y. or works..lb. .13¼- —
2, bbls., same basis...lb. .12 - —
3, bbls., same basis...lb. .12¼- —
4, bbls., same basis...lb. .10¼- —
5, bbls., same basis...lb. .10¼- —
6, bbls., same basis...lb. .09¾- —
7, bbls., same basis...lb. .09½- —
8, bbls., same basis...lb. .08 - —
9, bbls., same basis...lb. .07½- —
10, bbls., same basis...lb. .06¾- —
11, bbls., same basis...lb. .05¾- —
umber, American, bbls., works..lb. .03½- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N.Y..lb. .04¾- —
St. Louis.....lb. .05¼- —
l.c.l., ex car Los Angeles, Portland, San Francisco, Seattle..lb. .05½- —
ex whse, Los Angeles, Portland, San Francisco, Seattle..lb. .05¾- —
Boston .....lb. .04¾- —
Chicago, Indianapolis, New Orleans..lb. .05¼- —
Kansas City.....lb. .05¾- —
Minneapolis .....lb. .0585- —
Pittsburgh .....lb. .05 - —
Vandyke, bbls., l.c.l.....lb. No prices
Walnut crystals, bbls.....lb. .06½- —
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —
Bryonia root, bls.....lb. .28 - .30
Buchu leaves, bls.....lb. .55 - .56
Buckthorn bark, true, bls.....lb. No prices
cut and sifted, bbls..lb. .35 - .90
Berries, bgs.....lb. .35 - .40
Burdock root, bls.....lb. .40 - .45
Burgundy pitch, dom., dms...lb. .06 - .06½
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., cns., wks. lb. .14½- .16½
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
tankwagons, frt. alld...lb. .09¾- —
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .08¼- —
dms., l.c.l., same terms.lb. .08¾- —
tanks, same terms.....lb. .07¼- —
Alcohol (see Alcohol):—
Aldehyde, dms., c.l., works...lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbonal, secondary, l.c.l., dms., works..lb. .60 - —
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .....lb. .25 - —
Crotonate, normal, 55-gal. dms., dlvd..lb. .35 - —
5-gal. cns.....lb. .75 - —
1-gal. cns.....lb. 1.00 - —
Ether (see under Ether).
Lactate, dms.....lb. .22½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .28½- —
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —
Butane, coml., 16-34°, tanks, group 3..gal. .02½- 03

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.61 - —
single jars.....lb. 1.66 - —
5-lb. bots.....lb. 1.80 - —
Cyanide, 25-lb. bots., dlvd...lb. 3.00 - —
25-lb. cks., dlvd.....lb. 3.50 - —
Iodide, 5-lb. bots.....lb. 4.19 - —
25-lb. cans.....lb. 4.05 - —
Lithopone (see Yellow).
Metal, pat., shapes, cs.....lb. .90 Nom.
ingots or sticks.....lb. .85 Nom.
Red (see Red).
Selenide (see Red).
Sulphite (see Yellow).
Caffeine, 10,000 lbs. or more, 100 lb. dms..lb. 2.60 - —
25 lb. dms.....lb. 2.62 - —
10 lb. cns.....lb. 2.65 - —
2,000 lbs. or more, 100-lb. dms..lb. 2.65 - —
25 lb. dms.....lb. 2.68 - —
10 lbs. cns.....lb. 2.70 - —
1,000 lbs. or more, 100 lb. dms..lb. 2.70 - —
25 lb. dms.....lb. 2.73 - —
10 lb. cns.....lb. 2.75 - —
100 lbs. or more, 100-lb. dms.lb. 2.80 - —
25 lb. dms.....lb. 2.83 - —
10 lb. cns.....lb. 2.85 - —
less than 100 lbs., 10-lb. cns., lb. 3.15 - —
Citrated, bots.....lb. 2.30 - 2.35
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .25 - .80
Calamus root, peeled, N. F., cs., lb. No prices
bleached, bls.....lb. 1.00 - 1.25
Calcium acetate, bgs., dlvd., 100 lbs. 1.90 - —
Arsenate, bgs., c.l.....lb. .06¼- —
l.c.l. .....lb. .06¾- —
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowances for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .65 - —
50 lbs., works.....lb. .67 - —
25 lbs., works.....lb. .70 - —
Carbide, dms., c.l., dlvd.100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse.100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, dms., 77-88%, dms., c.l., dlvd..ton.20.50 -35.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.63 - 2.35
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, dms., c.l., dlvd..ton19.00 -35.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.53 - 2.25
Gluconate, USP, gran., 150-lb. bbls..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Powd., 2c. per lb. higher.
Glycerophosphate, fib. dms., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .24 - .25
Mandelate, dense, dms.....lb. 2.15 - 2.30
fluffy, dms.....lb. 2.00 - 2.15
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports, ton. No prices
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 38-45% P_2O_5, bgs., c.l.f. Atlantic ports, shipt.unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton.lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .20½- —
l.c.l., ton.....lb. .22½- —
Sulphate (see Gypsum).
Sulphide, 70% CaS, bgs., c.l., works..ton.46.00 - —
80% CaS, bgs., c.l., wks..ton.51.00 - —
luminous, dom., tins, works, 100 lbs..lb. 1.25 - —
Sulphocarbolate, kgs., 100 lbs. lb. .95 - —
Calendula flowers, bls.....lb. .85 - .90
Calomel, bbls., fib., dms., kgs., 50 lbs. or more..lb. 2.70 - —
Camphor, natural, powd., cs..lb. .82 - .83
slabs, cs.....lb. .82 - .83
tablets, tins.....lb. .87 - .88
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .36 - —
smaller lots, works....lb. .41 - —
USP, or import, gran.,powd., bbls., 2,000-lb. lots..lb. .60 - —
1,000-lb. lots.....lb. .61 - —
smaller lots.....lb. .62 - —
tablets, 2,000-lb. lots....lb. .73 - —
1,000-lb. lots.....lb. .74 - —
smaller lots.....lb. .75 - —
Monobromate, bxs., kgs.....lb. 2.00 - 2.05
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs....lb. .0350- .0380
Morocco, bgs.....lb. .04 - .04½
Turkish, bgs.....lb. .0370- .0400
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. 1.50 - 1.60
powd., bxs.....lb. 1.75 - 1.85
Russian, cs.....lb. 3.00 - 3.05
powd, bxs.....lb. 3.25 - 3.30
Capsicum (see Pepper, red).
Caraway, Dutch, bgs.....lb. .61 - .63
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works...lb. .80 - —
95% dms., ton lots, works...lb. .75 - —
smaller quantities, works...lb. .85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Dimethylethyl (see Amyl alcohol, tertiary).
Isobutyl, c.l., dms., frt. alld..lb. .225 - —
l.c.l., same basis.....lb. .235 - —
tanks, same basis.....lb. .215 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .86½- —
l.c.l., frt. alld.....gal. .73 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. 1.09 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. alld.....gal. .93 - —

Bismuth Sulpho.—China Clay

Carbon tetrachloride, Zone 3, 5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld.....gal. 1.20 - —
Zone 4, 52½-gal. dms., c.l.gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l....gal. 1.07 - —
l.c.l. .....gal. 1.17 - —
All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A. Cal.; S. F. Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1 includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W.Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.
Cardamom, bleached, cs.....lb. 1.30 - 1.50
decorticated, cs.....lb. 1.10 - 1.15
green, Ceylon, afloat, bgs....lb. 1.05 - 1.10
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .17 - .18
Case-hardening mixture, 50% lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .12 - .13
5 tons, works.....lb. .12¼- .13¼
smaller lots, works.....lb. .12½- .13½
80-100 mesh, bgs., c.l.....lb. .12½- .13½
5 tons, works.....lb. .12¾- .14¾
smaller lots, works.....lb. .13 - .14
Import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .12 - —
80-100 mesh, bgs., c.l., duty paid..lb. .12½- —
French, 30 mesh., bgs., c.l., duty paid..lb. No prices
New Zealand, 20-30 mesh., c.l., bgs., duty paid..lb. No prices
Cassia, Batavia, No. 1, thin quill, bls. .19½- .20
No. 1 regular, bls.....lb. .18½- .19
shortsticks, bls.....lb. .14½- .15
broken, bls.....lb. .12 - .12½
China, buds, bags.....lb. .13½- .14
Rolls, select., bls.....lb. .11¾- .12
broken, extra, bls.....lb. .11¾- .12¼
Saigon, No. 1, 4-10-4, bls....lb. .23¼- .28¾
10-6-2, bls.....lb. .24 - .24½
all thin, bls.....lb. .25 - .25½
Cassia fistula, baks.....lb. .15 - .16
Castile soap, Italian, white, bars, 40-lb. cases..case.14.00 - —
powd., bbls.....lb. .33 - .36
Castoreum, nat., cns.....lb.12.50 -15.00
synth., bots.....lb.19.00 - —
Castor beans, Brazilian, ship't, c&f, N.Y..ton.57.00 - —
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton.15.80 - —
import, bgs., c.i.f. ports, shipment..ton. No prices
Celery seed, French, bgs.....lb. .57 - .59
Indian .....lb. .38 - .39
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .30 - —
Acetate-butyrate, high (20-40% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld.....lb. .47 - —
smaller pkgs., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld.....lb. .43 - —
smaller pkgs., works.....lb. .44 - —
medium (10-10.9%), 100-lb. ctns., 5,000 lbs. and up, alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld.....lb. .45 - —
smaller pkgs., works.....lb. .46 - —
acetate-propionate, high (20-40% propionyl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld.....lb. .47 - —
smaller pkgs., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld.....lb. .43 - —
smaller pkgs., works.....lb. .44 - —
medium (10-19.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .48 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld.....lb. .45 - —
smaller pkgs., works.....lb. .46 - —
Triacetate, flake, frt. alld....lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .85 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b. works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. 1.00 - 1.25
Roman, bls.....lb. 3.25 Nom.
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.35.40 - —
Colo. .....ton.32.00 - —
Conn., Me., N. H., R. I., Vt..ton.35.80 - —
Ill. (except river point), Minn., Neb., Wis.ton.27.00 - —
Indiana .....ton.31.00 - —
Ill. (river points), Mo., Okla., Tex., (except El Paso), Ia.....ton.25.00 - —
Kansas, El Paso, Tex. ton.26.00 - —
Michigan .....ton.32.80 - —
Ohio .....ton.32.80 - —
Penn. .....ton.34.80 - —
Utah .....ton.36.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .02¼- —
l.c.l., bbls., works.....lb. .02¾- —
tanks, works.....lb. .01¾- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 200 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -10.00
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50

China Clay—Dyes

China clay, wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton.18.60 -25.00
powd., cks., l.c.l., ex whse., ton.45.00 - —

Chloral hydrate, bots., 1,000 lbs., lb. .93 - 1.02
500 lbs.....lb. .96 - 1.05
100 lbs.....lb. .96 - 1.07
25 lbs.....lb. 1.00 - 1.09
1-10 lbs.....lb. 1.05 - 1.12
dms., 1,000 lbs.....lb. .90 - —
500 lbs.....lb. .93 - —
100 lbs.....lb. .95 - —

Chlorinated rubber, standard, c.l., ctns., works..lb. .32 - —
100 lbs., ctns.....lb. .35 - —
smaller lots.....lb. .38 - —

Chlorine, liq., cyls., c.l., divd., N.Y..lb. .05¼- —
contracts, divd., N. Y...lb. .05¼- —
l.c.l., divd., N. Y.....lb. .07¼- —
tanks, single units, works, frt. equald..100 lbs. 1.75 - —
multiple unit, 3 or over, works, frt., equald., 100 lbs. 1.90 - —
2 works, frt. equald., 100 lbs. 2.40 - —
1, works, frt., equald., 100 lbs. 2.90 - —

Chloracetophenone, tins, works..lb. 3.00 - 3.50

Chloroform, tech., 650-lb. dms..lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —

Chloropicrin, com'l, 150-lb. cyls., frt. alld..lb. .80 - —
100-lb. cyls., frt. alld.....lb. .85 - —
25-lb. cyls., works.....lb. 1.00 - 1.15
1-lb. bot., case 12, works, lb. 1.25 - —

Chrome acetate, powd., 24%, bbls., divd..lb. .13½- —
solut., 8¼%, cs., bbls.....lb. .05¾- —
Cake, bulk, c.l., works....ton.16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs., lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scale, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).

Chrysarobin, 5-lb. bot.....lb. 5.00 - —

Cinchona bark, quill, USP, 10 in., medium cs..lb. .85 - .90
20 in., thick, cs.... ....lb. .85 - .90
20 in., medium, cs.....lb. .85 - .90
USP, broken quill, red bgs..lb. .20 - .21
yellow, bgs.....lb. .20 - .21

Cinchonidine, small crys., cns., 100 ozs..oz. .89 - —
Sulphate, N.F., cns.100 ozs..oz. .53 - —

Cinchonidine buyers must pay a surcharge of 7c. per oz. to cover present war risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, small crys., cns., 100 ozs..oz. .62 - —
large cryst., cns.100 ozs..oz. .66 - —
Sulphate, N.F., cns.100 ozs..oz. .42 - —

Cinchonine buyers must pay a surcharge of 7c. per oz., to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 25-lb. fib. dms., lb. 3.60 - —
1 and 5-lb. bots.....lb. 3.70 - 3.80
100 lbs., dms.....lb. 3.50 - —

Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, f.c.c., cbys.....lb. .85 - .90
Cinnamon, Ceylon, 2, bls.....lb. .18 - .18½
3 bls.....lb. .17½ Nom.

Citral, bots., cns.....lb. 1.40 - 3.10
Citrine ointment, jars.....lb. .95 - .97

Citronellal, bots., dms.....lb. .75 - .80
Citronellol, bots., dms.....lb. 1.60 - 1.85
Clove, Amboyna, bgs.....lb. .25 - .26
Madagascar .....lb. .20 - .20½
Zanzibar .....lb. .20 - .20½

Clover tops, red, bgs.....lb. .35 - .40
'dom., bgs.....lb. .30 - .35

Coaltar, coal-gas, crude, bbls., c.l., works..bbls. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07¼- .09
refd., bbls., c.l., works..bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works..dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —

Cobalt acetate, bbls., kgs., divd., lb. .80½- —
Carbonate, powd., bgs., works, lb. 1.58 - —
Chloride, kgs., works.....lb. .85 - —
Hydrate, bbls.....lb. 1.98 - —
Linoleate, paste, 6%, dms...lb. .31 - —
solid, 8¼%, bbls.....lb. .38 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.84 - —
Resinate, fused A, bbls.....lb. .13½- —
1 %, cobalt oxide, bbls....lb. .13 - —
2 %, cobalt oxide, bbls....lb. .14 - —
8¼%, cobalt oxide, bbls....lb. .17½- —
precip., dms., divd.....lb. .34 - —
Sulphate, dms.....lb. .65 - —

Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —

Cochineal, gray, bgs.....lb. .37 - .38
Teneriffe, silver, bgs.....lb. .38 - .39

Cocoa butter, bulk, c.l., bgs..lb. .23 - —
Cocillana bark, bgs.....lb. .25 - .30
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100-ozs..oz.10.50 - —
Phosphate, cns., 100 oz.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black root, bls.....lb. .07 - .08
Blue, root, bls.....lb. .07 - .08
Colchicine, bots., cns.....oz.22.00 -25.00
Colchicum seed, bgs.....lb. 2.50 Nom.
Collodion, USP, dms., 325 lbs..lb. .15 - —
cns., 25 lbs.....lb. .16 - —
flexible, USP, dms., 325 lbs..lb. .17 - —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .55 - .56
Colombo root, bls.....lb. .15 - .16
Coltsfoot leaves, bgs.....lb. .35 - .40
Condurango bark, bgs.....lb. .11 - .12
Conium leaves, bls.....lb. .30 - .32
Copaiba balsam, Para, cns.....lb. .27 - .28
S.A., USP, cns.....lb. .29 - .30

Copper acetate, normal, bbls., divd..lb. .24 - —
smaller containers, divd..lb. .26 - —
Carbonate, 52-54%, bbls.....lb. .16½- .18
Chloride, anhy., bbls.....lb. .16 - .18
cryst. .....lb. .13½- .14½
Cyanide, tech., bbls.....lb. .34 - .36
Iodide, bots.....lb. 5.15 - 5.19
Metal, electrolytic.....lb. .12 - .12½
Nitrate, cryst., bbls.....lb. .20 Nom.
Oleate, precip., bbls.....lb. .20 - —
Copper, oxide, black, tons, works..lb. .18½- .20
Red, com'l, kgs., f.o.b. N. Y. lb. .19 - .21
Resinate, precip., bbls.....lb. .15 - .16
Sulphate, 99% cryst., bbls., c.l., f.o.b. works..100 lbs. 4.75 - —
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.90 - —
6-15 bbls., same basis, 100 lbs. 5.00 - —
1-5 bbls., same basis, 100 lbs. 5.25 - —
monohydrated, dms., c.l., dealers, f.o.b. works..100 lbs. 8.60 - —
l.c.l., dealers.....100 lbs. 9.60 - —
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
bbls., c.l., works.....ton.20.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.55 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra, Coast, ship.....lb. .02½ Nom.
Coriander, bgs.....lb. .06¾- .07¼
bleached, bgs.....lb. .09 - .09½
Corn sugar, tanners', chipped, bgs., c.l., divd..100 lbs. 4.05 - —
slabs, bbls., c.l.....100 lbs. 3.41 - —
solid, bbls., c.l.....100 lbs. 3.53 - —
Syrup, 42°, bbls., c.l..100 lbs. 3.52 - —
43°, bbls., c.l.....100 lbs. 3.57 - —
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.19 - —
gran., powd., dms., 50 lbs. or more..lb. 2.04 - —
Cottonroot bark, bls.....lb. .10 - .11
Cornsilk, bls.....lb. .16 - .17
Cottonseed, hull ash, 32-36% pot-ash, bgs., divd..unit-ton. 1.00 - —
meal, 8%, Southeast, mills..ton.26.00 -26.50
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1oz. cns.....lb. 3.35 - 3.60
less than 5 dms., cns.....lb. 4.15 - 4.65
Cramp, bark, genuine, bls.....lb. .23 - .24
so-called, bls.....lb. .06 - .07
Cranesbill root, bls.....lb. .10 - .18
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't. lb. .52½- —
smaller lots, bbls.....lb. .53 - —
kgs. .....lb. .53½- —
Creosote, beechwood, bots.....lb. No prices
hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.90 - 2.29
Oil, crude, tanks, works....gal. .13½- .14½
Coaltar, solution, tanks, works, gal. .122 - .132
refd., bbls., l.c.l., works.gal. .25 - —
tanks, works.....gal. .18 - .18½
Cresol, USP, dms., c.l., works.lb. .09¾- —
l.c.l., same basis.....lb. .10¾- —
special resin grade, dms., c.l., works..lb. .08¾- —
l.c.l., same basis.....lb. .09¾- —
Crotonaldehyde, 97%, 55 and 110 gal., c.l., works..lb. .13 - —
l.c.l., works.....lb. .14 - —
5 and 10 gal. dms., works..lb. .15 - —
Cryolite, syn., c.l., frt. alld. E. of Miss. River..lb. .06½- —
.09¾- —
natural, c.l.....100 lbs. 8.75 - —
l.c.l. .....100 lbs. 9.25 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N. Y. C....lb. .19 - .21
4% rotenone prices are 3c. per lb. less.
Cubeb berries, XX, bgs.....lb. .44 - .45
powd., cs.....lb. .49 - .50
Culver's root, bls.....lb. .16 - .17
Cumin seed, Morocco, bgs.....lb. .18 - .18½
Cyprus, bgs.....lb. .18 - .19
Indian, bgs.....lb. .15¾- .16¼
Persian, bgs.....lb. .15¾- .16¼
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid..lb. .04½- —
Cyanamide, 22% N, pulv., bgs., divd., contracts, N...unit-ton. No prices
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
Cyclohexane, 98-100% dms., works..lb. .16 - —
Cyclohexanol, 98-100%, dms., works..lb. .23 - —
Cyclohexanone, 98-100%, dms., works..lb. .32 - —

D

Damiana leaves, bls.....lb. .16 - .17
Dandelion root, German, bls...lb. .75 - .80
Decanol, normal, tech., 360 lbs., dms., divd..lb. .35 - —
Deertongue leaves, bls.....lb. .12 - .14
Degras, common dom., bbls...lb. .07½- .08½
neutral, dom., bbls.....lb. .13 - .16
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y.....lb. .21 - .23
4% rotenone prices are 3c. per lb. less.
Derris, extract, 25% rotenone, bulk, cns..lb. 3.00 - 4.00

Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 4.15 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.25 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.90 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.70 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.85 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.05 - —
Potato, bgs., dom., c.l.....lb. .07½- —
l.c.l., bgs.....lb. .08½- .10
Diacetone (see under Alcohol).
Diacetyl, bots.....lb.10.00 -11.00
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Phthalate, dms., c.l., divd...lb. .21 - —
l.c.l., divd.....lb. .21½- —
tanks, divd.....lb. .20 - —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
l.c.l., works.....lb. .50 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .50 - —
Diamylene, dms., c.l., works...lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .20 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l. .....lb. .20 - —

Diatomaceous earth, dom., natural, bgs., c.l., f.o.b. Pacific cst..ton.22.00 -25.00
l.c.l., ex whse.....ton.45.00 - —
purified, bgs., c.l., f.o.b. Atlantic seaboard.....ton.35.00 -39.00
l.c.l., ex whse.....ton.85.00 -90.00
chemically pure, bgs., c.l., f.o.b. Atlantic seaboard..lb. .06 - —
l.c.l., ex whse.....lb. .10 - .16
import, bgs., c.l., c.i.f.....ton. No prices
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l. .....lb. .53 - —
tanks, works.....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., divd...lb. .19 - —
l.c.l., divd.....lb. .19½- —
tanks, divd.....lb. .18 - —
cns., works.....lb. .23½- .25½
Sebacate, dms., works.....lb. .45 - .47
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (see Calcium phosphate dibasic)
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Dichloropentanes, dms., c.l., works,..lb. .032 - —
l.c.l. .....lb. .04 - —
tanks .....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .23½- —
l.c.l., works.....lb. .24½- —
tanks, works.....lb. .22½- —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethylamino ethanol, l.c.l., dms., works,frt. alld. E. of Miss river, l.c.l., dms..lb. .75 - —
Diethylaniliin, dms.....lb. .40 - —
Diethylcarbonate, com'l, dms..lb. .25 - —
refd., 99%, dms.....lb. .35 - —
Carbanol, l.c.l., dms., works, lb. .60 - —
Oxalate, dms., l.c.l., divd....lb. .27 - —
Phthalate, dms., c.l., frt. alld. lb. .19 - —
l.c.l. .....lb. .19½- —
tanks .....lb. .18 - —
Sulphate, dms., c.l., works...lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethyleneglycol, dms., c.l., works, lb. .14 - —
l.c.l., works.....lb. .15½- —
Monobutylether, dms., works..lb. .22½- .24½
Monoethylether, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks, works.....lb. .13½- —
Digitalis leaves, dms.....lb. .35 - .40
Digiycol, laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works.lb. .19 - —
Diliseed, recleaned, bgs.....lb. .07½- .08
Dimethyl phthalate, dms., c.l., divd..lb. .18½- —
l.c.l., divd.....lb. .19 - —
tanks, divd.....lb. .17½- —
Dimethylamine, dms., c.l., divd.lb. 1.00 - —
l.c.l., divd.....lb. 1.05 - —
Dimethylaniliin, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dimethylethyl (see amyl alcohol tertiary).
Dimethylethyl carbinol, l.c.l., dms., works..lb. .60 - —
Dinitrobenzene, bbls., 80° min..lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs...lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .15½- —
oily, dms.....lb. .09 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, divd..lb. .44 - —
600-1,950 lbs., divd.....lb. .46 - —
150-450 lbs., divd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks .....gal. .41 - —
dest., dist., dms.....gal. .45 - .48
tanks .....gal. .38 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .50 - .55
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., 2,000 lbs., or over, divd..lb. .35 - —
600-1,950 lbs., divd.....lb. .36 - —
150-450 lbs., divd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 3.00
Dimethylethyl carbinol (see Carbinol).
Divi-divi, Columbian.....ton.32.00 - —
Venezuelan .....ton.35.00 - —
Doggrass root, cut, N.F., bls...lb. .60 - .65
Dogwood bark, Jamaica, bls...lb. .08 - .10
Dovers powder, USP, cns.....lb. 2.75 - 2.90
Dragon's blood, mass, cs.....lb. .85 - .95
reeds, cs.....lb. 1.00 - 1.05
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1, cns.lb.13.50 - —
FD&C blue, No. 2, cns....lb.13.50 - —
FD&C green, No. 2, cns....lb.17.50 - —
FD&C green, No. 3, cns....lb.27.50 - —
Green, FD&C green, No. 1, cns, lb.13.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns....lb.17.50 - —
FD&C red, No. 4, cns....lb. 5.75 - —
FD&C red, No. 32, cns....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors), for drugs and cosmetics):—
Black, D&C black, No. 1....lb. 8.35 - —
Blue, D&C blue, No. 6.....lb.13.50 - —
Brown, D&C brown, No. 1, cns., lb.12.35 - —
Green, D&C green, No. 5, cns., lb.12.35 - —
D&C green, No. 6, cns.....lb.12.35 - —
Orange, D&C orange, No. 3, cns..lb. 8.35 - —
D&C orange, No. 4, cns....lb.15.35 - —
D&C orange, No. 10, cns...lb.15.35 - —
D&C orange, No. 11, cns...lb.17.35 - —
Red, D&C red, No. 5.....lb. 6.00 - —
D&C red, No. 17.....lb. 8.35 - —
D&C red, No. 18.....lb.18.35 - —
D&C red, No. 19, cns.....lb.15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33.....lb.12.35 - —
D&C red, No. 37, cns.....lb.12.35 - —
Yellow, D&C yellow, No. 7, cns..lb. 8.35 - —
D&C yellow, No. 8, cns....lb. 8.35 - —
D&C yellow, No. 11.....lb.10.35 - —

Dyes, coaltar (certified colors), for external use drugs and cosmetics:—
Blue, Ext. D&C blue, No. 1, cns..lb.12.35 - —
Green, Ext. D&C green, No. 1, cns..lb.12.35 - —
Red, Ext. D&C red, No. 1, cns..lb.10.35 - —
Ext. D&C red, No. 3.....lb.21.35 - —
Ext. D&C red, No. 5.....lb. 7.35 - —
Ext. D&C red, No. 10, cns..lb.12.35 - —
Ext. D&C red, No. 15, cns..lb.12.35 - —
Yellow, Ext. D&C yellow, No. 1, cns..lb. 8.35 - —

Dyes, coaltar, for general uses (numbers are those of Colour index scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. .55 - .60
180 Fast red VR.....lb. 1.50 - 1.60
190 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
Sulphur tan.....lb. .30 - .50
202 Chrome blue black U.lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B.lb. .60 - .85
326 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .85 - .90
365 Chrysophenin G.....lb. .65 - .70
394 Direct violet N.....lb. 1.25 - 1.35
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .35 - .40
415 Direct orange R.....lb. .50 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B....lb. .40 - .42
496 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .90 - 1.00
518 Direct pure blue 6B...lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black, FF.lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO....lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.30
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p.c. paste..lb. .15 - .18
Benzo fast black L...lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .22 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 5c. per lb. higher; f.o.b. sellers' works or warehouse):—
Black:—
565 Nigrosin derivatives...lb. .38 - .62
Blue:—
1075 Alizarin astrol base...lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Brown:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
Orange, red shade....lb. .75 - —
Red:—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - —

Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
Black:—
864 Nigrosin .....lb. .38 - .44
Blue:—
860 Indulin .....lb. .60 - .70
Brown:—
331 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base..lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS....lb. 2.00 - —
Violet:—
680 Methyl violet base....lb. .85 - —

Dyes, coaltar, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S.lb. .50 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .57 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B....lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
294 Resorcin brown Y.....lb. .65 - —
295 Resorcin dark brown R, lb. .66 - —
931 Bismarck brown G....lb. .40 - .52
932 Bismarck brown R....lb. .50 - .52
752 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B.....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B....lb. 1.55 - —
1078 Alizarin cyanin green, lb. 2.35 - —

Dyes, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 5c. per lb. higher; f.o.b. sellers' works or warehouse):—

Orange:—

10 Chrysoidin G	lb.	.40 - —
21 Chrysoidin R	lb.	.37 - —
27 Orange G	lb.	.50 - —
151 Orange Y	lb.	.30 - —
161 Orange R	lb.	.34 - —
31 Amidonaphthol red G	lb.	.42 - —
37 Amidonaphthol red 6B,	lb.	.68 - —
79 Popceau R	lb.	.48 - —
88 Fast red B	lb.	1.05 - —
176 Fast red A	lb.	.54 - —
179 Azorubin	lb.	.60 - .62
183 Crocein scarlet 3BX	lb.	.72 - .75
185 Cochineal red A	lb.	.60 - —
252 Brilliant crocein M	lb.	.68 - —
677 Fuchsin	lb.	2.10 - —
749 Rhodamine B	lb.	3.50 - —
752 Rhodamine 6G	lb.	4.50 - —
785 Eosin G	lb.	1.50 - —
841 Safranin	lb.	1.45 - —

Violet:—

680 Methyl violet B	lb.	.75 - —
681 Crystal violet C	lb.	1.75 - —
696 Acid violet 4BN	lb.	.88 - —

Yellow:—

10 Naphthol yellow S	lb.	.88 - —
138 Metanil yellow	lb.	.53 - —
636 Fast light yellow	lb.	1.25 - —
639 Xylene light yellow	lb.	1.15 - —
640 Tartrazin	lb.	.80 - —
655 Auramine	lb.	1.27 - —

Dyes, natural (see name of article).

E

Echniacea root, bls	lb.	.18 - .19
Egg albumen (see Albumen).		
yolk, dom., bbls	lb.	.59 - .60
imported	lb.	.56 - .59
Elder flowers, bright, bls	lb.	.75 - .80
Elecampane root, bls	lb.	.14 - .15
Elm bark, grinding, bls	lb.	.11 - .12
powd., bbls., bxs	lb.	.19 - .20
select, bndls	lb.	.19 - .21
Emetine hydrochloride, bots	oz.	22.00 -23.00
Ephedra, bls	lb.	.12 - .13
Ephedrine, USP hemihydrate, tins, 1,000 ozs	oz.	.70 - —
100 ozs	oz.	.80 - —
anhyd., dms., 1,000-oz. lots	oz.	.75 - —
100-oz. lots	oz.	.85 - —
Hydrochloride, tins, 1,000-oz. lots	oz.	.55 - —
100-oz. lots	oz.	.65 - —
Sulphate, cryst., tins, 1,000-oz. lots	oz.	.53 - —
100-oz. lots	oz.	.63 - —
Epsom salt, tech., bgs	100 lbs.	1.80 - —
bbls.	100 lbs.	1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs.		2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	2.25 - —
smaller lots	100 lbs.	2.50 - —
bbls., c.l.	100 lbs.	2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	2.35 - —
smaller lots	100 lbs.	2.60 - —
kgs., c.l.	100 lbs.	2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	2.60 - —
smaller lots	100 lbs.	2.85 - —
dried, bgs., l.c.l.	lb.	.08 - .09
Ergot, USP, cns., dms	lb.	1.55 - 1.60
Eserine, bots	oz.	50.00 -60.00
Salicylate, bots	oz.	42.00 -54.00
Sulphate, bots	oz.	42.00 -54.00
Ether, acetic (see Ethyl acetate).		
Butyl, l.c.l., dlvd	lb.	.25 - —
Ethyl (see Ether, sulphuric).		
Nitrous, conc., bots., 100 lbs.,	lb.	.68 - —
Sulphuric, conc., 310-lb. dms.,	lb.	.11 - —
cns., 27 lbs	lb.	.14 - —
Synth., dms., c.l., works	lb.	.10 - —
l.c.l., works	lb.	.11 - —
tanks	lb.	.08 - —
USP, anesthesia, dms., 27 lbs.,	lb.	.26 - —
washed, dms	lb.	.37 - .38
Ethyl acetate, 85-90%, dms., c.l., frt. alld.	lb.	.07½- —
l.c.l., frt. alld	lb.	.08 - —
tanks, frt. alld	lb.	.06½- —
95-98%, dms., c.l., frt. alld.	lb.	.07¾- —
l.c.l., frt. alld	lb.	.08¼- —
tanks, frt. alld	lb.	.06¾- —
NF, 460-lb. dms	lb.	.10 - —
cns., 35 lbs	lb.	.14½- —
Acetoacetate, dms., c.l., wks.	lb.	.27½- —
l.c.l., dms., works	lb.	.28 - —
Bromide, tech., dms	lb.	.50 - .55
Caproate, cns	lb.	1.00 - —
Chloride, dms	lb.	.18 - .20
Cinnamate, cns	lb.	3.20 - 4.00
Crotonate, 55-gal. dms., dlvd.,	lb.	.35 - —
1-gal. cns	lb.	1.00 - —
5 and 10-gal. dms., dlvd	lb.	.75 - —
Formate, cns., dms	lb.	.25 - .26
Iodide, bots	lb.	3.50 - 3.60
Lactate, 55-gal. dms., works	lb.	.33½- —
5-gal. dms., works	lb.	.37½- .39½
Oxalate, dms., frt. alld	lb.	.25 - —
Silicate, l.c.l., dms., works	lb.	.77 - —
Vanillin, 25-lb. lots, cns	lb.	6.00 - —
5-lb. lots, cns	lb.	6.05 - —
1-lb. lots, cns	lb.	6.15 - —
Ethylcellulose, std. cans, 5,000 lbs. or more, frt. alld.	lb.	.45 - —
less than 5,000 lbs., same basis	lb.	.47 - —
Ethylene, dichloride, dms., c.l., works, E. of Rockies, frt. alld.	lb.	.0695- —
West of Rockies, same basis	lb.	.0743- —
l.c.l., works, E. of Rockies, frt. alld.	lb.	.0746- —
West of Rockies, same basis	lb.	.0792- —
Ethyleneglycol, dms., c.l.	lb.	.14½- —
l.c.l.	lb.	.15½- .18½
tanks	lb.	.13½- —
Monobutylether, dms., c.l., works,	lb.	.16½- —
l.c.l., works	lb.	.17½- .20½
tanks, works	lb.	.15½- —
Monoethylether, dms., c.l., works,	lb.	.14½- —
l.c.l., works	lb.	.15½- .18½
tanks, works	lb.	.13½- —
Monoethylether, acetate, dms., c.l., works	lb.	.11½- —
l.c.l., dms	lb.	.12½- .15½
tanks, works	lb.	.10½- —
Monomethylether, dms., c.l., works	lb.	.15½- —
l.c.l., works	lb.	.16½- —
tanks, works	lb.	.14½- —
Ethylidinanilin, dms	lb.	.45 - .47½
Eucalyptol, cns., dms	lb.	.78 - .80
Eucalyptus leaves, bls	lb.	.11 - .12
Eugenol, cns., dms	lb.	1.75 - 2.00
Euphorbia, bls	lb.	.09 - .10

F

Feldspar, enamel, 100 mesh, bulk, works	ton.	14.00 -17.50
l.c.l., minimum 2 tons	ton.	17.00 -20.50
glass, 20 mesh, bulk, works	ton.	9.75 -13.25
l.c.l., minimum 2 tons	ton.	12.75 -16.25
pottery, bulk, Me., works	ton.	17.00 -19.00
N. C., works	ton.	17.00 -19.00
l.c.l., minimum 2 tons	ton.	20.00 -22.00
Fennel seed, Argentine, bgs	lb.	.16 - .16¼
French, bgs	lb.	.35 Nom.
Indian, bgs	lb.	.11½- .12
German, large, bgs	lb.	.33 Nom.
Roumanian, bgs	lb.	.11½- .12
Fenugreek seed, bgs	lb.	.04½- .05
Ferric, sulphate, anhyd., c.l., works	ton.	35.00 - —
l.c.l.	ton.	40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs. or over, works	lb.	.12 - —
smaller lots, works	lb.	.13 - —
light, cs., 1,000 lbs. or over, works	lb.	.13 - —
smaller lots, works	lb.	.15 - —
water white, cs., 1,000 lbs. or over, works	lb.	.14 - —
smaller lots, works	lb.	.15 - —
Fir balsam, Canada, cns	gal.	16.00 -16.50
Oregon, bbls	gal.	1.10 - 1.15
Fish berries, bgs	lb.	.26 - .27
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures	unit-ton.	No prices
meal, bgs., f.o.b. Balto	ton.	58.00 -59.00
6-7% ammon., 5% phosphor. acid, bulk, So. Atlantic factories, contracts	unit-ton.	2.50 & .50
Fish, sardine, meal, Japanese, 11½% ammon., bgs., c.l.f. ports, ton.		No prices
Flake white, dom., bbls	lb.	.09 - —
kegs	lb.	.11 - —
Flaxseed, French, black, bgs	lb.	.55 - .60
Indian, blonde, bgs	lb.	.09 - .10
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, net ton		29.00 - —
washed gravel, 85.5 f.o.b. Ky. and Ill.-Ky. mines, net ton.		19.00 -21.00
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines, net ton.		19.00 -21.00
imported, 83.5, duty paid, short ton.		No prices
Formaldehyde, bbls., c.l., works	lb.	.0650- —
l.c.l., works	lb.	.06 - —
dms., c.l., works	lb.	.0615- —
l.c.l., works	lb.	.0665- —
tanks, works	lb.	.04 - —
Fringetree bark, bls	lb.	.14 - .15
Fuller's earth, dom., bgs., c.l., f.o.b. Fla., Ga. mines	ton.	15.00 - —
import, bgs., c.l., ex dock.	ton.	No prices
l.c.l., ex whse	ton.	No prices
Furfural, ref., dms., c.l., works,	lb.	.15 - —
l.c.l., works	lb.	.17½- .25
tech., dms., contracts, 150,000 lbs.	lb.	.10 - —
c.l., works	lb.	.12½- —
l.c.l., works	lb.	.15 - .20
tanks, works	lb.	.09 - —
Fusel oil, refd., dms., incl., dlvd.,	lb.	.16 - .17½
Fustic extract, cryst., bbls	lb.	.24 - .25
liquid, bbls	lb.	.10½- .14
solid, dms	lb.	.19 - .21

Dyes—Ginger Root

G

G salt, bbls	lb.	.45 - —
Galangal root, bls	lb.	.16 - .17
Gambier, common, cases	lb.	.07½- .08
plantation, cases	lb.	.09½- .11
cubes, Singapore, cases	lb.	.10 - .10½
extract, bbls	lb.	.09½- .12
Gasoline at refinery:—		
Bayonne, US motor, tanks, ex tax	gal.	.0680- —
California (f.o.b. San Francisco), regular, trucks, tax incl.	gal.	.13½- —
Gulf Coast, US motor, 70-72 octane, tanks, ex tax	gal.	.03½- .03½
Louisiana-Arkansas, US motor, 72-74 octane, tanks, ex tax	gal.	.04½- .04¾
Oklahoma-Texas, US motor, 72-74 octane, tanks, ex tax	gal.	.04½- .04¾
natural, 18-55, tanks	gal.	.02¾- .02¾
26-70, tanks	gal.	.02 - .02¾
Gelatine, silver, cs	lb.	.60 - .67
Gelsemium root, bls	lb.	.14 - .15
Gentian root, bls	lb.	.40 - .45
grd., bbls., bxs	lb.	.44 - .49
powd., bbls., bxs	lb.	.45 - .50
Geraniol, cns., dms	lb.	.60 - 3.00
Ginger, African, No. 1, bgs	lb.	.10¼- .10½
Cochin, lemon, bgs	lb.	No stocks
Jamaica, bold, bgs	lb.	.17 Nom.
medium, bgs	lb.	.16 Nom.
grinding, bright, bgs	lb.	.15½ Nom.
Japanese, bgs	lb.	No stocks

A New, Doubly-reactive Chemical

CHLOROACETONE

(CH_3COCH_2Cl)

...Stabilized for Drum Shipment and Storage*

Chloroacetone contains an active ketone group and an extremely reactive chlorine atom. It should therefore find wide application in the synthesis of many products such as pharmaceuticals, dyes, and other organic compounds. For example, Chloroacetone reacts readily with amines to form acetonyl-amines, with glycols to form chlorodioxolanes, with mercaptans to form sulfides or sulfur ethers, and with potassium formate to form acetol. These examples will suggest many other reactions which we will be glad to discuss with you.

Heretofore, Chloroacetone has not been available to the chemical industry because of its marked tendency to decompose on storage. Now for the first time there is offered stabilized Chloroacetone which can be stored for many months without decomposition or chemical change. Its purity is 85% to 90%, the remainder consisting almost entirely of unsymmetrical dichloroacetone.

Chloroacetone is a very powerful lachrymator and will blister the skin on contact. Adequate precautions, therefore, should be taken in handling this product.

**Stabilized in accordance with U. S. Patent No. 2,229,625.*
Chloroacetone is shipped in specially coated 5-gallon drums.

PROPERTIES

Coefficient of Cubical Expansion:
0.00110 per °C.
0.00061 per °F.

Refractive Index:
1.4324 at 20°C.

Specific Gravity:
1.165 at 20°C./20°C.

Weight per U. S. Gallon
9.69 lbs. at 68°F.

Flash Point:
42.2°C. (108°F.)

Boiling Point of Pure Material:
119°C. at 760 mm. Hg

Odor:
Strong, irritating (lachrymatory)

COMMERCIAL SOLVENTS Corporation

17 EAST 42nd STREET, NEW YORK, N. Y.

PLANTS: TERRE HAUTE, IND. • PEORIA, ILL. • AGNEW, CALIF. • HARVEY, LA. • WESTWEGO, LA.

Ginseng Root—Iron-Soda Ox.

Ginseng root, wild Southern, cs. lb.12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.10
5 tons or over, 100 lbs. 1.05 - 1.20
less than 5 tons, works, 100 lbs. 1.15 - 1.35
import, bgs.....100 lbs. No prices
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb. .14 - —
l.c.l., dlvd.....lb. .14½- —
36/58 bgs., c.l., dlvd..lb. .13½- —
l.c.l., dlvd.....lb. .14 - —
53/83 bgs., c.l., dlvd.....lb. .15 - —
l.c.l., dlvd.....lb. .15½- —
83/108 millipoise, bgs. c.l., dlvd..lb. .15½- —
l.c.l., dlvd.....lb. .16 - —
Hide, calcimine type, 58 millipoise, 135 jellygrams, bgs., c.l., dlvd. East Middlewest..lb. .17 - —
l.c.l., same basis.....lb. .17½- —
60/164, bgs., c.l., same basis, lb. .18½- —
l.c.l., same basis.....lb. .19 - —
67/122, bgs., c.l., same basis, lb. .19½- —
l.c.l., same basis.....lb. .20 - —
75/222, bgs., c.l., same basis, lb. .23½- —
l.c.l., same basis.....lb. .23½- —
83/251, bgs., c.l., same basis, lb. .23½- —
l.c.l., same basis.....lb. .24½- —
92/283, bgs., c.l., same basis, lb. .24½- —
l.c.l., same basis.....lb. .25½- —
102/315, bgs., c.l., same basis..lb. .25½- —
l.c.l., same basis.....lb. .26 - —
113/347, bgs., c.l., same basis..lb. .26 - —
125/379, bgs., c.l., same basis..lb. .27 - —
l.c.l., same basis.....lb. .28 - —
Glue prices for barrel packing, ½c. per lb higher; grinding charge, 20-40 mesh, ½c. per lb.; 60 mesh, 1c. per lb.
Glycerin, CP, cns., l.c.l.....lb. .14½- .15
dms., c.l., divd.....lb. .12½- —
l.c.l., divd.....lb. .13 - —
tanks, divd.....lb. .12½- —
dynamite, dms.....lb. Nominal
high gravity, dms., c.l., divd.lb. .12 - —
l.c.l., divd.....lb. .12½- —
tanks, divd.....lb. .11½- —
saponification, basis 88%, for industrial users, special colors, dms. returnable, c.l., divd..lb. .09½- —
l.c.l., same basis....lb. .10½- —
tanks .....lb. .09½- —
refiners, dms., returnable, tanks, divd..lb. .08½- .08¾
soaplye, basis 80%, dms., tanks, returnable, divd..lb. .07½- .07¾
Glycine, medicinal, bbls., tins..lb. 1.70 - 2.00
Glycol boriborate, dms.....lb. .22 - —
Pethalate, dms.....lb. .33 - —
Stearate, dms.....lb. .36 - —
Gold, U.S. purchase price.....oz.35.00 - —
Chloride, acid brown, both...oz.20.75 -21.00
yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure, seed, bgs.....lb. .16 - .16½
Goldenseal, root, bls.....lb. 2.50 - 2.55
powd., bxs.....lb. 2.75 - 2.80
Grains of paradise, bgs.....lb. .40 - .41
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphitic carbon, bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .06½- —
l.c.l., works.....lb. .06¾- —
Amorph., powd., 90%, 325 mesh, 65% graphite carbon, bgs., c.l., works.....lb. .02½- —
bbls., c.l., works.....lb. .02¾- —
80% graphitic, carbon, bgs., c.l., works..lb. .06½- —
bbls. c.l., works.....lb. .06¾- —
l.c.l., works.....lb. .04¼- —
Grease, house.....lb. .05¾ Nom.
white .....lb. .06¾ Nom.
yellow .....lb. .05¾ Nom.
West (see Adeps lanae and Degras).
Green, chrome, CP, dark, light, medium, blue content up to 6%, bbls., divd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis..lb. .22 - —
11-15%, bbls., same basis..lb. .23 - —
16-20%, bbls., same basis..lb. .23½- —
21-25%, bbls., same basis..lb. .24 - —
26-30%, bbls., same basis..lb. .24½- —
31-35%, bbls., same basis..lb. .25½- —
36-40%, bbls., same basis..lb. .27 - —
41-45%, bbls., same basis..lb. .28½- —
46-50%, bbls., same basis..lb. .30 - —
Green, chrome, prices are ½c. higher divd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalised with Chicago.
reduced, CP, color content up to 5%, same basis..lb. .06 - —
9-10%, bbls., same basis, lb. .06¾- —
11-15%, bbls., same basis, lb. .07½- —
16-16%, bbls., same basis, lb. .07½- —
17-19%, bbls., same basis, lb. .07¾- —
20-21%, bbls., same basis, lb. .08 - —
22-23%, bbls., same basis, lb. .08½- —
24-25%, bbls., same basis, lb. .08½- —
26-27%, bbls., same basis, lb. .08¾- —
28-29%, bbls., same basis, lb. .09½- —
30-31%, bbls., same basis, lb. .10 - —
32-33%, bbls., same basis, lb. .11½- —
34-35%, bbls., same basis, lb. .12½- —
36-40%, bbls., same basis, lb. .14½- —
41-45%, bbls., same basis, lb. .16½- —
46-50%, bbls., same basis, lb. .16½- —
Green, chrome, 51-55%, bbls., same basis..lb. .17½- —
56-60%, bbls., same basis, lb. .17¾- —
61-65%, bbls., same basis, lb. .18½- —
66-70%, bbls., same basis..lb. .19¼- —
71-75%, bbls., same basis, lb. .20½- —
Oxide, dom., pure, bbls.....lb. .25 - —
ceramic, light shades, bbls., c.l., works..lb. .35 - —
l.c.l., works.....lb. .50 - —
standard grade, bbls., works..lb. .21 - .22
Tetrahydroxide, bbls.....lb. .28 - —
Paris (see P).
Tungstated, brilliant, kgs...lb. 3.50 - —
emerald, kgs.....lb. 2.35 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .09 - .10
Guaiac resin, cs.....lb. .30 - .35
strained, cs.....lb. .85 - .90
Wood, bls.....lb. .04 - .05
Guaiacol, liq., dms.....lb. 1.65 - 1.67
Carbonate, fib. dms., 25 lbs..lb. 2.40 - 2.74
Gum, guarana, powd., cs.....lb. 1.20 - 1.25
Aloe (see A).
Ammoniac, tears, cs.....lb. .85 - .90
Arabic, amber, sorts, cleaned, bgs..lb. .14 - .15
white, sorts, 1, bgs.....lb. .35 - .36
powd., bbls.....lb. .18 - .20
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 2.50 - 2.60
Sumatra, cs.....lb. .23 - .24
Camphor (see C).
Chicle, prime, 35% moisture, bgs., ton lots..lb. .40 - .42
Copal, Congo, 1 ,water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran..lb. .49½- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices on 20,000 lbs. min. apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.
2, water white, bgs., c.l., same basis..lb. .29½- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .34½- —
4, pale bold straw, bgs., c.l., same basis..lb. .24 - —
5, pale straw bold, bgs., c.l., same basis..lb. .22¾- —
6, pale amber bold, bgs., c.l., same basis..lb. .21½- —
7, pale straw bold, bgs., c.l., same basis..lb. .17 - —
8, light amber bold, bgs., c.l., same basis..lb. .17 - —
9, medium light amber bold, bgs., c.l., same basis..lb. .13¾- —
10, rescraped hard amber, bold, bgs., c.l., same basis..lb. .13¾- —
11, hard dark amber, bold, bgs., c.l., same basis..lb. .12¾- —
12, selected bold sorts, bgs., c.l., same basis..lb. .11¾- —
13, dark sorts bold, bgs., c.l., same basis..lb. .09½- —
14, selected, fully scraped, ivory, bgs., c.l., same basis, lb. .23¾- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10¾- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09½- —
17, pale, fingers, bgs., c.l., same basis..lb. .18¾- —
18, pale straw nubs, bgs., c.l., same basis..lb. .19½- —
19, pale straw nuba, bgs., c.l., same basis..lb. .18¾- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .13½- —
21, ordinary selected nubs, c.l., same basis..lb. .12¾- —
23, small mixed nubs, bgs., same basis..lb. .10¾- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .11¾- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17¾- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis..lb. .09½- —
26, pale small nubs, c.l., same basis..lb. .10¾- —
27, pale small nubs, bgs., c.l., same basis..lb. .10½- —
28, pale dust, bgs., c.l., same basis..lb. .06¾- —
Batu, bold scraped, bgs., c.l., same basis..lb. .06½- —
unscraped, bgs., c.l., same basis..lb. .06 - —
chips, bgs., c.l., same basis, lb. .05½- —
dust, bgs., c.l., same basis, lb. .05¼- —
nubs and chips, bgs., c.l., same basis..lb. .05½- —
black, bold, scraped, bgs., c.l., same basis..lb. .08¾- —
unscraped, bgs., c.l., same basis..lb. .05¾- —
nubs and chips, bgs., c.l., same basis..lb. .06½- —
Hiroe Macassar, pale bold, bgs., c.l., same basis..lb. .12¾- —
chips, bgs., c.l., same basis, lb. .06¾- —
dust, bgs., c.l., same basis, lb. .06½- —
nubs, bgs., c.l., same basis..lb. .10½- —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .15¾- —
chips, bgs., c.l., same basis, lb. .08½- —
dust, bgs., c.l., same basis, lb. .05½- —
nubs, bgs., c.l., same basis, lb. .11 - —
Manila, Boeas, amber and dark, bskts., c.l., same basis, lb. .13¾- —
light, bskts., c.l., same basis..lb. .15¾- —
Loba A, bskts., c.l., same basis..lb. .11¾- —
Loba B, bskts., c.l., same basis..lb. .11¾- —
C, bskts., c.l., same basis, lb. .11½- —
CNE, bskts., c.l., same basis..lb. .08½- —
D, bskts., c.l., same basis, lb. .12¾- —
DK, bskts., c.l., same basis, lb. .08 - —
dust, bskts., c.l., same basis..lb. .06 - —
Sambas and white split chips, bskts., c.l., same basis..lb. .15¾- —
Singapore, dust, bskts., c.l., same basis..lb. .06 - —
Spirit-soluble, CBB, bskts., same basis..lb. .10¾- —
Gum, copal, Singapore, DBB, bskts., c.l., same basis..lb. .10 - —
MA, bskts., c.l., same basis, lb. .07¾- —
MB, bskts., c.l., same basis, lb. .07¼- —
WB, bskts., c.l., same basis, lb. .10 - —
A/D, cs., c.l., same basis, lb. .13½- —
Philippine, Manila, amber sorts, bskts., c.l., same basis..lb. .08 - —
chips, pale, bskts., c.l., same basis..lb. .11¾- —
pale, small, bskts., c.l., same basis..lb. .09 - —
extra pale sorts, bskts., c.l., same basis..lb. .10½- —
nubs, bskts., c.l., same basis..lb. .13½- —
scraped, bskts., c.l., same basis..lb. .14¾- —
seeds and dust, bskts., c.l., same basis..lb. .08¾- —
Pontianak, bold, genuine bgs., same basis..lb. .15¾- —
mixed, bgs., c.l., same basis, lb. .14¾- —
split, bgs., c.l., same basis, lb. .13¾- —
chips, bgs., c.l., same basis, lb. .10 - —
nubs, bgs., c.l., same basis, lb. .12¾- —
Dammar, Batavia, A, cs., c.l., same basis as copal..lb. .21¾- —
A/C, cs., c.l., same basis..lb. .15¾- —
A/E, cs., c.l., same basis..lb. .12¾- —
B, cs., c.l., same basis..lb. .20¾- —
C, cs., c.l., same basis....lb. .14¾- —
D, cs., c.l., same basis....lb. .13¾- —
dust, cs., c.l., same basis..lb. .07¾- —
E, cs., c.l., same basis....lb. .10 - —
F, cs., c.l., same basis....lb. .08 - —
Singapore, 1, cs., c.l., same basis..lb. .16¾- —
2, cs., c.l., same basis....lb. .12¾- —
3, cs., c.l., same basis....lb. .07¼- —
chips, cs., c.l., same basis..lb. .11 - —
dust, cs., c.l., same basis..lb. .07¼- —
seeds, cs., c.l., same basis..lb. .09¾- —
Elemi, cns., c.l., same basis as copal..lb. .08½- —
Ester, c.l., dms., contract or spot, divd. N. Eng., N. Y., N. J., Pa., Va., N. C., Ky., Ohio, Ind., Mich., Wis. and Ill..lb. .06 - —
Mont., Idaho, Wyo., Nev., Utah, Col., Ariz., N. Mex., and Western Tex..lb. .06¾- —
Pacific Coast (water shpt.)..lb. .06¼- —
Other points.....lb. .06¾- —

For delivery of 3,000 pounds, prices are ¼c. per pound higher than the above in each case; for delivery of smaller lots, prices are ½c. per pound higher in each case.

Euphorbium, cs.....lb. .50 - .55
Galbanum, cs.....lb. 1.05 - 1.10
Gamboge, pipe, cs.....lb. .75 - .80
powd., bbls.....lb. .80 - .85
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .14 - .33
Kauri, brown, XXX, cs., c.l..lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80%, chips, cs., c.l., same basis..lb. .12¾- —
pale, XXX, cs., same basis..lb. .61 - —
1, cs., c.l., same basi....lb. .41 - —
2, cs., c.l., same basis...lb. .24 - —
3, cs., c.l., same basis....lb. .17¾- —
Kino, cns.....lb. No prices
Locust bean, powd., bbls.....lb. Nominal
Mastic, cs.....lb. 1.50 - 1.60
Myrrh, USP, cs.....lb. .50 - .55
Olibanum, siftings, cs.....lb. .09 - .10
tears, cs.....lb. .20 - .35
Opiums (see O).
Rosin (see R).
Sandarac, cks.....lb. .50 - .55
Scammony, cs.....lb. 1.10 - 1.75
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....280 lbs.15.00 -15.25
Tragacanth, Aleppo, 1 cs....lb. 2.75 - 2.85
2 cs.....lb. 2.45 - 2.60
3 cs.....lb. 2.10 - 2.20
Yacca, bgs.....lb. .03½- .04
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
Harlem River, N. Y., frt. equald..ton.13.00 - —
New Brighton, N. Y., frt. equal..ton.27.65 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
Plaster of Paris, paper bgs., f.o.b. Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Tex.; Akron, N. Y.; Blue Rapids, Kans.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Va.; Portsmouth, N. H.; Roton, Tex.; Saltville, Va.; Southard, Okla.; Sweetwater, Tex.; frt. equald., ton. 8.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton.12.00 - —
import, bgs., ex dock.....ton.28.00 Nom.

H

Hawthorn berries, bgs.....lb. .45 - .46
Heliotropin, cryst., cns.....lb. 3.10 - 3.40
Hellebore root, white, powd., bbls., lb. .18 - .19
Helonias root, bls.....lb. .53 - .55
Hematine crystals, bbls.....lb. .20 - .30
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¾- —
tanks, works.....lb. .02¾- —
Hempseed, Manchur, bgs.....lb. .06¼- .06¾
Henbane leaves, bls.....lb. 1.75 Nom.
Henna leaves, bls.....lb. .30 - .33
powd., bbls., bxs.....lb. .35 - .37
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .09 - —
normal, 96-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09 - —
Hexaldehyde, normal, dms., l.c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipments, f.o.b. Perth Amboy or N.Y.C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Hexane, normal, tanks, Group 3, gal. .09¾- —
dms., c.l., divd., Group 3..gal. .24 - —
l.c.l., 5 or more, divd., Group 3..gal. .29 - —
1-5, divd., Group 3.....gal. .33 - —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexanol, dms., l.c.l., works....lb. .25 - —
Homatropine hydrobromide, 25 oz. bots..oz.15.00 -15.25
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit. 2.65 - 2.70
Hops, N.F., bls.....lb. .20 - .21
Horehound, bls.....lb. .12 - .13
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.20.00 - —
Hydrochloride, bots., 4 oz...oz.20.00 - —
Sulphate, bots., 4 ozs.....oz.21.75 - —
Hydrastinine, 15 grs., bots...bot. 1.95 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E. of Miss. River: West Coast via Panama canal..lb. .16 - .16½
Hydroquinone, dealers, bbls., dms. lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.65.00 -75.00
Hydrochloride, bots.....oz.65.00 -75.00
Hyoscyamine, bots.....oz.21.25 - 22.25
Hydrobromide, bots.....oz.21.25 -22.25
Sulphate, bots.....oz.21.25 -22.25
Hypernic, ext., liquid, 50°, bbls. lb. .14 - —

I

Iceland moss, bls.....lb. .25 - .27
Ichthyol, bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 2.14 - 2.20
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indium metal.....oz.12.50 - —
Indol, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs....lb. 1.67 - —
kgs., 150 lbs., less 5%, ex whse, Staten Island..lb. 1.35 - 1.44
resubl., bots., 5 lbs.....lb. 1.85 - —
jars, 50 lbs.....lb. 1.75 - —
tincture, USP, bbls., 47 gals.gal. 2.00 - —
cbys., 5 gals.....gal. 2.05 - 2.10
mild, bbls., 47 gals.....gal. 1.25 - —
cbys., 5 gals.....gal. 1.30 - 1.35
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars .....lb. 4.20 - —
Ionone alpha, bots.....lb. 2.75 - 2.80
Alpha, extra, bots.....lb. 3.75 - 3.80
beta, bots.....lb. 3.10 - 3.15
beta, bots.....lb. 3.90 - 3.95
Ipecac root, bgs.....lb. 1.20 - 1.25
powd., bxs.....lb. 1.45 - 1.40
Irish moss, ordinary, bls.....lb. .25 - .28
powd., 80-90 mesh, bbls...lb. .35 - .38
prime bleached, bls.....lb. .32 - .35
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., divd....lb. .08 - —
l.c.l., divd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 300-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .09
liquor, cbys., works, frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs .....lb. .08½- —
solut. cbys., works, frt. alld. or equald..lb. .06½- .07
djns. .....lb. .07½- —
Citrate, USP VIII, pearls...lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.15 - —
smaller lots.....lb. 3.25 - —
cns., 25 lbs.....lb. 3.37 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 3.18 - 3.32
syrup, djns.....lb. .39 - —
bots. .....lb. .53 - —
Nitrate, red, tech., dms.....lb. .03½- .04
Oxalate, powd., kgs.....lb. .47 - —
cns. .....lb. .52 - —
scales, cns.....lb. .53 - .55
Oxide, black, bbls., works...lb. .08 - —
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
ferrous, 200-lb. bbls.....lb. .35 - —
25-lb. bxs.....lb. .40 - —
100-lb. kgs.....lb. .37 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .65 - .75
Sulphate, tech. (see Coppers and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04¼- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .35 - .36
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .35 - .36
pearls, cns.....lb. .35 - .36
scales, cns.....lb. .47 - .50
Iron-oxalate, bxs.....lb. .30 - —
fib. dms.....lb. .23½- —
kgs. .....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs. .....lb. .44 - —
jars .....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib. dms.....lb. .23½- —
kgs. .....lb. .25½- —

Isobutylacetate, 55-gal. dms., works..lb. .0790- —
tanks, works.....lb. .0690- —
Propionate, dms., works.....lb. .09½- —
Isopentane, 50-gal. dms., single, works..gal. .45 - —
10-gal. dms., single, works..gal. .55 - —
Isophorone, dms., works.....lb. .25 - —
Isopropylamine, dms., works...lb. .35 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .11 - —
55 gals., c.l., E. of Rockies, frt. alld..lb. .07½- —
55 gals., l.c.l., E. of Rockies, frt. alld..lb. .08 - —
tanks, E. of Rockies, frt. allo..lb. .06½- —
Alcohol (see Alcohol).
Ether, dms., 5 gals., frt. alld., gal. .55 - —
55 gals., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gals., c.l., W. of Miss., frt. allo..gal. .39 - —
l.c.l., E. of Miss., frt. allo., gal. .44 - —
tanks, E. of Miss., frt. allo., gal. .25 - —
W. of Miss., frt. allo., gal. .29 - —

J

Jaborandi leaves, bls.....lb. .11 - .12
Jalap root, NF, bls.....lb. .28 - .31
powd., bbls., bxs.....lb. .30 - .32
resin, lump, 100-lb. lots, cns..lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, bgs.....lb. Nominal

K

Kamala, tins.....lb. .30 - .32
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .0460- .0490
California (f.o.b. San Francisco) truck..gal. .11½- —
Gulf ports, p.w., bulk...gal. .07½- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .04 - .04½
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04 - .04½
Pennsylvania, 45 w.w., tanks, gal. .05½- .05¾
Kieserite, cal., 96-98% $MgSO_4$, bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .08 - .09

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 8.00 - 8.10
Middlewestern, trcs....100 lbs. 7.40 - 7.50
Neutral, trcs.....100 lbs. 8.25 - 8.50
Western, choice, trcs..100 lbs. 7.50 - 7.60
Compound, trcs.....100 lbs. 9.50 - 9.75

Larkspur seed, bgs.....lb. 1.60 - 1.70
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .26½- .27
Lavender flowers, ordinary, bls.lb. .50 - .55
medium, bls.....lb. .55 - .60
select, bls.....lb. .65 - .70
Lead acetate, white, broken, bbls., lb. .11 - —
cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11¾- —
powd., bbls.....lb. .11¾- —
Arsenate, bgs., c.l.....lb. .09 - .09¼
l.c.l., bgs.....lb. .09½- .10

Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowance for works or whse. pick ups.

Blue, basic sulphate, bbls., c.l., divd. E..lb. .06¼- —
divd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .06¼- —
l.c.l., divd. E.....lb. .06½- —
divd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07 - —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs...lb. .62 - —
fib. dms., 25 lbs.....lb. .40 - —
Iodide, NF V, powd., 5-lb. bots., lb. 2.60 - —
jars.....lb. 2.55 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .10 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Oleate, bbls.....lb. .18½- .20
Peroxide, powd., bbls., tech..lb. .23 - —
Red, dry, 95% or less, Pb_3O_4, bbls., c.l. (20 tons), divd. Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.....lb. .08½- —
Other points.....lb. .08¾- —
l.c.l., 5 tons, divd., Ala., Ark., Cal., Fla., Ga.; La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash..lb. .09 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .09½- —
Colo., Mont., N. Mex., Wyo..lb. .09¾- —
other points.....lb. .09¾- —
smaller lots, Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
97% Pb_3O_4, bbls., c.l. (20 tons), divd., Ala., etc..lb. .09¾- —
other points.....lb. .09¼- —
l.c.l., 5 tons, divd., Ala., etc..lb. .09¾- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09½- —
other points.....lb. .09 - —
Lead, red, dry, 97% Pb_3O_4, l.c.l., smaller lots, divd. Ala..lb. .09¾- —
Ariz., etc.....lb. .10¼- —
Colo., etc.....lb. .10 - —
other points.....lb. .09½- —
98% Pb_3O_4, bbls., c.l. (20 tons) divd. Ala., etc..lb. .09 - —
other points.....lb. .08¾- —
l.c.l., 5 tons, divd., Ala., etc..lb. .09½- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
smaller lots, divd., Ala., etc..lb. .10 - —
Ariz., etc.....lb. .10½- —
Colo., etc.....lb. .10¼- —
other points.....lb. .09¾- —
in oil, 95% min., 100-lb. kgs., lb. .12¼- —
Resinate, fused 15%, bbls...lb. .09½- —
pale, bbls.....lb. .11¼- —
Silicate, bgs., 5 tons.....lb. 6.59 - —
smaller lots.....lb. 7.01 - —
Stearate, bbls.....lb. .25 - —
Sulphate (see Lead, white basic sulphate).
Titanate, bgs., or bbls., c.l. (20 tons), works, frt. alld..lb. .10¼- —
l.c.l., 5 tons, one delvy., E. frt. alld..lb. .10½- —
Pac. Cst., ex whse....lb. .10½- —
smaller lots, E. frt. allo.lb. .10¾- —
Pac. Cst., ex whse....lb. .10¾- —
White, dry, basic carbonate, bbls., c.l., divd., Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¾- —
other points.....lb. .07½- —
l.c.l., divd., Ariz., etc..lb. .08 - —
other points.....lb. .07¾- —
basic sulphate, bbls., c.l., divd., Ariz., etc..lb. .06¾- —
other points.....lb. .06½- —
l.c.l., divd., Ariz., etc..lb. .07 - —
other points.....lb. .06¾- —
in oil, 100-lb. kgs., consumers, lb. .12¾- —
dealers.....lb. .10¾- —
painters.....lb. .11¾- —
Consumers' price and painters' price are ½c. lower on orders of 500 lbs. or more.
Lecithin, 100%, cns., f.o.b., N. Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis..lb. .47½- .65
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grade 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis, lb. .40 - —

Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.

Lemon peel, bls.....lb. .13 - .15

Isobutyl Acetate—Lime

Licorice extract, mass, cs....lb. No prices
powd., bbls.....lb. No prices
root, cuttings, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .14 - .15
select, bdls., cs.....lb. .58 - .60
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa....ton. 8.50 - —
Crab Orchard, Tenn..ton. 6.25 - —
Eagle Mountain, Va..ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. V...ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 8.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
hydrated, paper bags, f.o.b.
Bellefonte, Pa.....ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.00 - —
Cedar Hollow, Pa....ton. 8.00 - —
Crab Orchard, Tenn..ton. 9.00 - —
Eagle Mountain, Va..ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.00 - —
Manistique, Mich....ton. 9.00 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va..ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Inland, Mich....ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
San Francisco, Cal..ton.14.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
spray, paper bgs., f.o.b. Bellefonte, Pa..ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton. 11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —
Lime salts (see Calcium).

Lecithin

(Vegetable)

Now available in either Soya Bean Oil or Cocoa Butter carrier for prompt delivery direct from factory.

For Export, packed in 100-lb. crated steel-strapped cans or 450-lb. open-head drums.

Our Lecithin is manufactured exclusively from American raw materials by an American process in an American plant.

Inquiries for these and other chemicals are invited.

TARTARIC ACID • CREAM OF TARTAR • ROCHELLE SALT
CITRIC ACID • SAPONIN • ACETIC ANHYDRIDE
ETHYLENE DIAMINE • SODIUM PERBORATE

NEUBERG CHEMICAL CORPORATION

441 LEXINGTON AVENUE, NEW YORK CITY • TELEPHONE MURRAY HILL 6-1990

Lime-Sulphur—Mustard Seed

Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dad., Neb., Kans., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07½- .08½
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis..lb. .08½- .09½
dms., same basis.....lb. .12 - —
solution, Zone 1, dms., consumers..gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50, dms.....gal. .11 - .16
Zone 3, tanks, dealers, dlvd., gal. .07½- —
30-50 dms.....gal. .10½- .14½
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., wks., except Cal.gal. .12 - —
Zone 5, tanks, dealers, dlvd. gal. .10½- —
dms.....gal. .12 - —
Zone 6, tanks, dealers....gal. .07½- —
30-50 dms.....gal. .10 - .14

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1: includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. river. Zone 2: New England States. Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minn., Mo. and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

Linalool, cns.....lb. 2.75 - 3.30
Linalyl acetate, cns.....lb. 3.20 - 4.25
Linden flowers, with leaves, bls.lb. .50 - .55
without leaves, bls.....lb. .55 Nom.
Linseed cake, bgs., export...ton.21.00 Nom.
meal, bgs.....ton.22.00 - —
Litharge, com'l powd., bbls., 20-tons, dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .07½- —
Other points.....lb. .07¾- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .08 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08½- —
Colo., Mont., N. Mex., Wyo..lb. .08¾- —
Other points.....lb. .07¾- —
smaller lots, dlvd., Ala.lb. .08½- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .08¾- —
Other points.....lb. .08¼- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb. bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
Lithopone, titanated (high-strength), bgs., c.l. (20 tons)..lb. .05¼- —
smaller lots.....lb. .05½- —
bbls., c.l., (20 tons).....lb. .05¼- —
smaller lots.....lb. .05¾- —
ordinary, bgs., c.l. (20 tons).lb. .0385- —
smaller lots.....lb. .0410- —
bbls., c.l. (20 tons).....lb. .0410- —
smaller lots.....lb. .0435- —

Lithopone in car lots is delivered East or the Pacific Coast and in less than car-lot quantities delivered East or ex warehouse Pacific Coast.

Liverwort, leaves, bls.....lb. .60 - .65
Lobelia, herb, bls.....lb. .23 - .25
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .20 - .24
liquid, 51°, bbls.....lb. .10¼- .12½
solid, bxs.....lb. .16¼- .20½
Lovage root, dms., bls.....lb. .45 - .50
imported, bls.....lb. .45 Nom.
Lupulin, N. E., tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 4.50 - 4.75

M

Mace, Banda, cs.....lb. .47 - .48
Batavia, cs.....lb. .29 - .30
Siaum, cs.....lb. .37 - .38
West Indian, cs.....lb. .39 - .39½
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., USP, bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07¾- —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls.....lb. .06½- —
kgs.....lb. .09½- —
USP, Zone 1, c.l., bgs.....lb. .08 - —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls.....lb. .09¼- —
kgs.....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .08 - —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .09¾- —
bbls.....lb. .09¼- —
kgs.....lb. .10½- —
Other points.....lb. .08 - —

Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md., c.l., shipments, frt. equald. with Phillipsburg, Ambler, Plymouth Meeting, Valley Forge, and New York. On l.c.l. shipments, frt. alld., includnig dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U.S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.

Magnesium, chloride, anhyd., dom., bbls., dlvd..lb. .18 - —
flake, dom., bbls., wks., c.l., tons.82.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hydroxide, med., 200-lb. bbls.lb. .25 - —
25-lb. dms.....lb. .30 - —
100-lb. kgs.....lb. .26 - —
Hypophosphate, cns., 100 lbs.lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - .11¼
Stearate, bbls., ctns., c.l.....lb. .22 - —
1 ton.....lb. .24 - —
1,000-2,000 lbs.....lb. .25 - —
smaller lots.....lb. .26 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .40 - —
smaller lots, dms.....lb. .45 - —
cs., 500-lb. lots.....lb. .43 - —
100-lb. lots.....lb. .45 - —
5-lb. cns.....lb. .63 - —
Magnesite, cal., dom., bgs.....ton.65.00 -70.00
Imports, bgs., duty paid..ton.70.00 Nom.
dead-burned, dom., bulk, c.l. f.o.b. Chewelah, Wash..ton.22.00 -25.00
dms., 25 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .26 - —
Malva flowers, black, bls.....lb. .90 - .95
blue, bls.....lb. .90 - .95
Leaves, bls.....lb. .40 - .45
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .12 - .13
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .14 Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton.71.50 - —
5-15 tons, works.....ton.74.50 - —
½-4 tons, works.....ton.79.50 - —
Caucasian, 85-90%, bbs., c.l., works..ton.74.00 - —
l.c.l., 5 tons, works.....ton.77.00 - —
smaller lots, works..ton.82.00 - —
burlap bgs., c.l., works, ton.71.75 - —
l.c.l., 5 tons, works..ton.74.75 - —
smaller lots, works.ton.79.75 - —
paper bgs., c.l., works.ton.70.00 - —
l.c.l., 5 tons, works..ton.73.00 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 2.86 - —
smaller lots.....lb. 3.90 - —
cns., 25 lbs.....lb. 3.12 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.55 - —
jars, 25 lbs.....lb. 5.70 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls..lb. .19 - —
Ore, Cuban, 51-52%, basis Atl. ports..unit-ton. .71 Nom.
Resinate, fused, 3½%, bbls..ton. .08¼- .08½
precip., dms.....lb. .12 - —
Sulphate, anhyd, ton lots, works lb. .10½- —
single bbls., works.....lb. .10¾- —
fertilizer, 66%, MnSo4, bgs., c.l., dlvd., South..ton.57.00 - —
l.c.l., bgs.....ton.65.00 -75.00
Mangrove bark, bgs., shipt...ton.34.00 - —
Manna flake, large, cs.....lb. 2.00 Nom.
small, cs.....lb. 1.80 Nom.
Mannitol, com'l grade, bbls., ton lots, works..lb. .35 - —
smaller lots, works.....lb. .40 - —
reagent grade, 50-lb. cs., or multiples, works..lb. .85 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, No. 1.....lb. .58 - .59
Tunisan, bls.....lb. .33 Nom.
Chilean .....lb. .10½- .11
Menthol, natural, Chinese, cs..lb. 4.05 - 4.15
Japanese, cs.....lb. 4.10 - 4.20
synthetic, USP, cs.....lb. 3.65 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. 1.44 - —
25 lbs.....lb. 1.46 - —
60%, pails, 50 lbs.....lb. 2.09 - —
25 lbs.....lb. 2.11 - —
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots.....lb. 3.02 - —
100-lb. fib. dms.....lb. 2.89 - —
25-lb. jars.....lb. 2.91 - —
Chloride (see Calomel).
Cyanide, cryst.....lb. 4.00 - 4.05
powd.....lb. 4.05 - 4.10
Iodide, red, NF, 5-lb. bots...lb. 4.71 - —
100-lb. fib. dms.....lb. 4.60 - —
yellow, 5-lb. bots.....lb. 4.81 - —
fib. dms., 100 lbs.....lb. 4.70 - 4.75
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, dom., tech., bbls...lb. 2.59 - —
USP, fib. dms., 50 lbs., or more..lb. 3.18 - —
Mercury and chalk, 5-lb. ctns..lb. 1.98 - —
25-lb. fib. dms.....lb. 1.86 - 1.88
Mesityl oxide, cns., works.....lb. .20½- —
dms., c.l., dlvd.....lb. .16 - —
l.c.l., dlvd.....lb. .16½- —
tanks, dlvd.....lb. .15 - —
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
composition, 5½x5½ in....pkg. 1.70 - 1.80
gold, XX deep, 23K, 5¾x5¾ in. pkg.15.25 -15.75
3⅛x3⅛ in.....pkg.16.15 -17.50
4x4 in.....pkg.19.50 -20.00
3⅛x5½ in.....pkg.22.50 -23.00
3⅛x5½, in.....pkg.24.50 -25.00
silver, 3⅛x3⅛ in.....pkg. 2.75 - 2.85
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs....lb. .65 - —
Methanol, natural, producer group A, denat., grade tanks...gal. .45 - —
97%, tanks.....gal. .30 - —
95%, tanks.....gal. .29 - —

Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums; car lots.

group	B, pure, tanks, frt. alld.	Zone 1	Zone 2	Zone 3	Zone 4
dms., c.l.,	Zone 1	gal.	.35½-	.37½-	.39½-	.41½-
	Zone 2	gal.	.37½-	.39½-	.41½-	.43½-
	Zone 3	gal.	.39½-	.41½-	.43½-	.45½-
	Zone 4	gal.	.41½-	.43½-	.45½-	.47½-
l.c.l.,	Zone 1	gal.	.38 -	.40 -	.42 -	.44 -
	Zone 2	gal.	.40 -	.42 -	.44 -	.46 -
	Zone 3	gal.	.42 -	.44 -	.46 -	.48 -
	Zone 4	gal.	.44 -	.46 -	.48 -	.50 -

group B, 95%, frt. alld., prices 2c. less than pure, all zones.

97%, frt. alld., prices 1c. less than pure, all zones.

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.

Methanol, synthetic, pure, dms., c.l., Zone 1, frt. alld..gal. .35½- —
2, frt. alld.....gal. .37½- —
3, frt. alld.....gal. .39½- —
4, frt. alld.....gal. .41½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .38 - —
2, frt. alld. or dlvd..gal. .45½- —
3, dlvd., S. F. and L. A., gal. .42 - —
4, frt. alld. or dlvd..gal. .53½- —
tanks, Zone 1, frt. alld..gal. .30 - —
2, frt. alld.....gal. .32 - —
3, frt. alld.....gal. .34 - —
4, frt. alld.....gal. .34½- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.. Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms.,					
c.l., E. of Miss. R..lb.	.10½-				
W. of Miss. R.....lb.	.11½-				
l.c.l., dms., dlvd., E. of Miss. R..lb.	.11 -				
W. of Miss. R.....lb.	.12 -				
tanks, dlvd., E. of Miss. R..lb.	.09½-				
W. of Miss. R.....lb.	.10½-				
tech., dms., c.l., dlvd., E. of Miss. R..lb.	.07 -				
W. of Miss. R.....lb.	.08 -				
l.c.l., dlvd., E. of Miss. R..lb.	.07½-				
W. of Miss R.....lb.	.08½-				
tanks, dlvd., E. of Miss. R., lb.	.06 -				
W. of Miss. R.....lb.	.07 -				
Acetoacetate, dms., c.l., works, frt. alld..lb.	.29½-				
Acetone, natural, group A producers, E. of Rockies, frt. alld., tanks..gal.	.35 -				
dms., c.l., same basis...gal.	.40½-				
l.c.l., same basis...gal.	.45½-				

Methyl acetone prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Methyl acetone, natural, group B producers, tanks, Zone 1..gal.	.32 -			
Zone 2.....gal.	.34 -			
Zone 3.....gal.	.36 -			
Zone 4.....gal.	.36½-			
dms., c.l., Zone 1.....gal.	.37½-			
Zone 2.....gal.	.39½-			
Zone 3.....gal.	.41½-			
Zone 4.....gal.	.42½-			
l.c.l., Zone 1.....gal.	.40 -			
Zone 2.....gal.	.47½-			
Zone 3.....gal.	.44 -			
Zone 4.....gal.	.55½-			

Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md. Mass. Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis., Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

Methyl acetone, synthetic, tanks, Zone 1..gal.	.37½-			
Zone 2.....gal.	.39 -			
Zone 3.....gal.	.40 -			
dms., c.l., Zone 1.....gal.	.45½-			
Zone 2.....gal.	.47 -			
Zone 3.....gal.	.48 -			
l.c.l., Zone 1.....gal.	.49 -			
Zone 2.....gal.	.51½-			
Zone 3.....gal.	.52½-			
Alcohol (see Methanol).				
Anthranilate, bots.....lb.	2.10 - 2.25			
Benzoate, cns., 25 lbs.....lb.	.70 - 1.00			
Bromide, cyl.....lb.	.65 - .75			
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb.	.32 - —			
service men and consumers, cyl..lb.	.36 - —			
60 to 490 lbs., cyl., mach. mfrs. and jobbers..lb.	.36 - —			
service men and consumers, cyl..lb.	.40 - —			
tanks, multi-unit, mach. mfrs. and jobbers..lb.	.31 - —			
service men and consumers, lb.	.35 - —			

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Cinnamate, bls.....lb.	2.75 - 3.25
Formate, dms.....lb.	.80 - —
Methyl, lactate, dms., l.c.l., dlvd., lb.	.80 - —
Iodide, bots.....lb.	3.68 - 3.83
Salicylate, dms.....lb.	.35 - .37
cns.....lb.	.37 - .40
Molybdated violet toner, bbls..lb.	.35 - —
Methylamyl ketone, dms., works, l.c.l..lb.	.25 - —
smaller containers, same basis, lb.	.28 - —
Methylcellulose, dms., c.l., works, lb.	.47 - —
2,000 lbs. or more, works, lb.	.50 - —
100 to 1,999 lbs., works...lb.	.55 - —
1 to 99 lbs., works.....lb.	.60 - —
Methylcyclohexane, 98-100%, dms., works..lb.	.16 - —
Methylcyclohexanol, 98-100%, dms., works..lb.	.23 - —
Methylcyclohexanone, 98 - 100%, dms., works..lb.	.32 - —
Methylene blue, medcl., kgs., 100 lbs..lb.	2.00 - —
cns., 5 lbs.....lb.	2.35 - —
Chloride, dms., f.o.b. works..lb.	.18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb.	.07 - .07½
l.c.l., same terms.....lb.	.07½- .08
tanks, same terms.....lb.	.06 - .06½
Methylheptenone, bots.....lb.	2.45 - 3.00
Methylhexyl ketone, dms., tech., works..lb.	.60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal.	.70 - —
l.c.l., works.....gal.	.80 - —
smaller containers, works.gal.	1.00 - —
tanks, works.....gal.	.70 - —
Methylnaphthyl ketone, dom., cryst., bots..lb.	3.25 - 3.50
imp., bots.....lb.	3.10 - —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton.	9.00 - —
l.c.l., same basis.....ton.	11.00 - —
180 mesh, containers extra, c.l., same basis..ton.	11.00 - —
l.c.l., same basis.....ton.	13.00 - —
250 mesh, containers extra, c.l., same basis..ton.	12.00 - —
l.c.l., same basis.....ton.	14.00 - —
325 mesh, containers extra, c.l., same basis..ton.	15.00 - —
l.c.l., same basis.....ton.	17.00 - —
400 mesh, containers extra, c.l., same basis..ton.	17.50 - —
l.c.l., same basis.....ton.	19.50 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton.	30.00 - —
l.c.l., 5,000 lbs., works, ton.	40.00 - —
1,000 lbs., works..lb.	.02 - —
500 lbs., works..lb.	.02½- —
100 lbs., works..lb.	.03 - —
refined, bgs., extra and returnable, c.l., works, ton.	20.00 - —
l.c.l., 5,000 lbs., works, ton.	30.00 - —
paint, bgs, extra and returnable, c.l., works..ton.	55.00 - —
l.c.l., 5,000 lbs., works, ton.	65.00 - —
white, No. 1 quality, bgs. extra and returnable, c.l., works..ton.	35.00 - —
l.c.l., 5,000 lbs., works, ton.	45.00 - —
1,000 lbs., works..lb.	.02½- —
500 lbs., works..lb.	.03 - —
roofing, bgs., extra and returnable, c.l., works..ton.	29.00 - —
l.c.l., 5,000 lbs., works, ton.	39.00 - —
paint, bgs, extra and returnable, c.l., works..ton.	60.00 - —
l.c.l., 5,000 lbs., works, ton.	70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E..lb.	.04½- —
l.c.l., ex whse., or frt. alld. E..lb.	.05 - —
paper, wall or coated, bgs., c.l., frt. alld. E..lb.	.04¾- —
l.c.l., ex whse., or frt. alld. E..lb.	.04¾- —
rubber, bgs., c.l., frt. alld. E..lb.	.04¼- —
l.c.l., ex whse., or frt. alld. E..lb.	.04¾- —
Biotite, bgs., c.l., frt. alld. E..lb.	.03½- —
l.c.l., ex whse. or frt. alld. E..lb.	.04 - —

wet-ground mica prices are ½c. per pound higher west of Rockies.

Milk, powder, skimmed, roller, bbls., c.l..lb.	.07 - —
l.c.l.....lb.	.08 - —
spray, bbls., c.l.....lb.	.07¼- —
l.c.l.....lb.	.08¼- —
unskimmed, roller, bbls., c.l. lb.	.15½- —
l.c.l.....lb.	.16½- —
spray, bbls., c.l.....lb.	.16 - —
Millet seed, yellow, bgs.....lb.	.0250- .0280
early fortune, bgs.....lb.	.02½- .03¾
hulled, bgs.....lb.	.06½- .06¾

Mineral spirits (see Petroleum thinners and VM & P naphtha).

Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal.	.07½- —
f.o.b. Gulf ports.....gal.	.07 - —
Molybdate orange (see Orange, molybdate).	
Molybdenum metal kgs., 99% powd..lb.	2.60 - 3.00
Trioxide, pure, kgs., basis Mo. content, works..lb.	.95 - —
technical, kgs., basis Mo. content, works..lb.	.80 - —
Monoamylamine, dms., c.l., wks. lb.	.52 - —
l.c.l., works.....lb.	.55 - —
Monoamylnaphthalene, l.c.l., dms., works..lb.	.20 - —
Monobutylamine, dms., c.l., wks. lb.	.50 - —
l.c.l., works.....lb.	.53 - —
tanks, works.....lb.	.48 - —
Monochlorobenzene, dms., l.c.l. lb.	.06 - .08
Monoethanolamine, dms., c.l., works..lb.	.24 - —
l.c.l., dms.....lb.	.25 - —
tanks .....lb.	.23 - —
Monoethylamine, basic 100% amine content, dms., l.c.l., works, lb.	.65 - —
Monoethylanilin, dms.....lb.	.77 Nom.
Monomethylamine, dms., c.l., dlvd..lb.	.65 - —
l.c.l., dlvd.....lb.	.70 - —
Monomethylpara-aminophenol sulphate, dms..lb.	3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).	
Morphine, bots., 5 ozs.....oz.	11.10 - —
cns., 25 ozs.....oz.	10.90 - —
Acetate, bots., 5 ozs.....oz.	9.00 - —
bots., 25 ozs.....oz.	8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz.	10.75 - —
cns., 25 ozs.....oz.	10.55 - —
Hydrobromide, bots., 5 ozs..oz.	8.95 - —
cns., 25 ozs.....oz.	8.75 - —
Sulphate, bots., 5 ozs.....oz.	9.00 - —
cns., 25 ozs.....oz.	8.80 - —
Morpholine, dms., 55 gals., l.c., works..lb.	.67 - —
smaller containers, works....lb.	.75 - —
Mullein leaves, cans.....lb.	.15 - .16
flowers, cns.....lb.	2.00 Nom.
Musk, nat., Tonquin, grained, bots..oz.	30.00 -35.00
synth., ambrette, cns., 100 lbs. or more..lb.	3.65 - —
5 lbs., to 75 lbs.....lb.	3.85 - —
1 lb.....lb.	3.95 - —
ketone, cns., 100 lbs. or more, lb.	3.70 - —
5 lbs. to 75 lbs.....lb.	3.95 - —
1 lb.....lb.	4.10 - —
xylol, cns., 100 lbs. or more, lb.	1.05 - —
5 lbs. to 75 lbs.....lb.	1.15 - —
1 lb.....lb.	1.20 - —
Musk root, bls.....lb.	.50 - .60
Mustard seed, California, brown, lb.	.15½- .16
yellow, bgs.....lb.	.15 - .15½
Chinese, yellow, bgs.....lb.	.06½- .09
Danish, yellow.....lb.	.23 - .24
Dutch, yellow, bgs.....lb.	.23 - .24
English, yellow, bgs.....lb.	No stocks
Montana, yellow, bgs.....lb.	.11 - .11½
Roumanian, yellow.....lb.	.15 - .15½

Myrobalans, J1, bgs., f.a.s..ton.48.00 - —
J2, bgs., f.a.s.....ton.39.00 - —
Extract, liquid, 25%, bbls....lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, bbls.....lb. .07½- .08

N

Naphtha, Painters (see Petroleum, naphtha. V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., tanks, works.....100 lbs. 2.25 - —
78 deg., tanks, works.100 lbs. 2.50 - —
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07 - —
50-lb. cs., same basis...lb. .07¼ -
pkgs. (16 cs.), same basis..lb. .07½- —
(12 oz.), same basis..pkg. .06¼- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .19 - .20
Cyanide, 100-lbs., dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works, frt. alld..lb. .703 - —
10-lb. tins.....lb. .86½- —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½, and 40 sec. vis., bbls., works, lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester, soluble, 30-35 eps., ¼, ½ sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., cps., ¼, ½ sec., bbls., dry weight, works..lb. .26 - —
ester-soluble, 5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —

Nitrocellulose prices are quoted on the basis of dry weight: denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitroethane, l.c.l., dms., works, lb. .35 - —
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton.1.2158- —
Nitrogenous fertilizer material, dom., 10% ammon., bulk, f.o.b. Carrollville, Wis., dlvd..unit-ton. 2.00 - —
Nitrogen fertilizer material, dom., 10% ammon., f.o.b., Chemical, Ill..unit-ton. 2.00 - —
f.o.b. East Coast producing points..unit-ton. 2.20 - —
Import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. No prices
Nitromethane, l.c.l., dms., works, lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .26
Nitropropane I, l.c.l., dms., works, lb. .25 - —
II, same basis.....lb. .25 - —
Nutgalls, Aleppo, bgs., cs....lb. .27 - .29
Chinese .....lb. .16 - .17
Extract (see Gall extract).
Nutmegs, E. I., 80s, bgs., cs..lb. .18½- .19
110s, bgs., cs.....lb. .16½- .17
small, grinding, bgs.....lb. .13½- .14
West Indian, bgs.....lb. .11½- .12
Nux vomica, bls.....lb. .05 - .06
powd., bbls., bxs.....lb. 08 - .09

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .06¼- —
l.c.l., bbls., works.....lb. .08¾- —
tanks .....lb. .02¾- —
Ocher (see Yellow).
Octane, 100-140° C., mixed, dms., c.l., G.3..gal. .12¼- —
l.c.l., G.3.....gal. .17 - —
tanks, G.2..... .gal. .10½- —
Octanol, normal, tech., 300-lb. dms., dlvd..lb. .35 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb. 3.00 Nom.
s.p.a., bots.....lb. 2.85 - 3.00
sweet, true, exp., cns.....lb. 1.30 - 1.35
Amber, crude, cns.....lb. No stocks
ref'd, cns.....lb. No stocks
Amyris, cns.....lb. 4.00 - 5.00
Angelica, seed, bots.....lb.90.00 -100.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .95 - 1.00
Apricot, kernels, cns.....lb. .43 - .44
Bay, W. I., 50-55% phenols, cns..lb. .90 - 1.00
55-66% phenols, cns.....lb. 1.00 - 1.10
Bergamot, artif., cns.....lb. 3.75 - 4.00
natural coppers.....lb.15.00 Nom.
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb. .48 - .50
rect'fd., cns.....lb. 1.25 - 1.30
Bois de rose, Brazil, cns.....lb. 2.00 - 2.15
Cade USP IX (see Oil Juniper tar).
Cajeput, tech., dms.....lb. .65 - .70
USP IX, cns.....lb. .75 - .80
Calamus, cns.....lb. 8.25 Nom.
Camphor, sassafrassy, cns...lb. .23 - .24
dms. .....lb. .20 - .21
white, cns.....lb. .25 - .26
dms. .....lb. .22 - .23
Cananga, native, cns.....lb. 4.50 - 5.00
rectified, cns.....lb. 5.00 - 5.50
Capsicum (oleoresin), USP VIII, cns..lb. 3.50 - 3.75
Caraway, USP, cns.....lb. 7.75 Nom.
Cardamom, bots.....lb.19.00 -20.00
Cassia, USP, cs., dms.....lb. 2.00 - 2.10
Castor, blown, one-way dms., c.l..lb. .11¾- —
l.c.l. .....lb. .12½- —
cold pressed, USP, bbls., c.l. lb. .10¼- —
l.c.l .....lb. .11 - —
cns. (1-gal.), l.c.l.....lb. .14 - —
dms. (returnable), c.l...lb. .10 - —
l.c.l. .....lb. .10¾- —
(5-gal.), l.c.l.....lb. .12 - —
tanks .....lb. .09½- —
dehydrated, dms., c.l.....lb. .1320- —
l.c.l .....lb. .1360- —
tanks .....lb. .12½- —
extracted No. 3, tech., bbls., c.l..lb. .09¾- —
l.c.l. .....lb. .10½- —
dms. (returnable), c.l.....lb. .09½- —
l.c.l. .....lb. .10¼- —
tanks .....lb. .09 - —
Oil, castor, sulphonated, 50% (43% fat), dms., c.l..lb. .06½- —
l.c.l. .....lb. .07½- —
75% (63% fat), dms., c.l..lb. .09¾- —
l.c.l. .....lb. .10¼- —
80% (68% fat), dms., c.l..lb. .09½- —
l.c.l. .....lb. .10½- —

Castor oil, USP, and No. 3, prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¼c. higher than N. Y.; one-way drums ¼c. higher, all points.

Cedarleaf, cs.....lb. .90 - .95
dms. .....lb. .85 - .90
Cedarwood, Southeast, cns..lb. .27 - .28
dms .....lb. .25 - .26
Celery, bots.....lb.19.00 -20.00
Chaulmoogra, USP, cns.....lb. .72½- —
Chinawood, dms.....lb. .29 - —
tanks .....lb. .28 - —
Cinnamon, Ceylon, bots..... lb. 9.75 -27.00
Citronella, Ceylon, cns.....lb. .43 - .45
dms. .....lb. .41 - .43
Java, cns., dms.....lb. .38 - .39
Clove, makers, USP, cns....lb. 1.15 - 1.20
dms. .....lb. 1.10 - 1.15
Coconut, Manila, crude, tanks, lb. .04½ Nom.
edible, 76°, dms. (returnable), c.l..lb. .09¼ Nom.
l.c.l. .....lb. .09¾- —
tanks .....lb. No prices
Cod, Newf., bbls.....gal. .70 Nom.
Codliver, med., USP, bbls..bbl.67.00 -75.00
Coriander, bots.....lb.18.00 -19.00
Corn, crude, tanks, wks.....lb. .06¾ Nom.
ref'd, bbls.....lb. .09¼ Nom.
Cottonseed, cooking, bbls....lb. .08½- —
salad, bbls.....lb. .08¾- —
Oil, creosote (see C).
Croton, N.F., cns.....lb. 2.50 - 2.75
Cubeb, USP, cns.....lb. 3.25 - 3.50
Crude (see Petroleum, crude).
Cumin, bots.....lb. 9.00 -10.00
Cypress, bots.....lb. 5.25 - 5.50
Degrass (see D).
Dill seed, bots.....lb. 5.50 - 6.00
weed, bots.....lb. 6.00 - 6.25
Dip (see L).
Erigeron, cns.....lb. 2.25 - 2.30
Eucalyptus, cns.....lb. .68 - .70
dms. .....lb. .65 - .67
Fennel, sweet, cns.....lb. 2.00 - 2.10
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns., lb.14.25 Nom.
Bourbon, cns.....lb.14.00 Nom.
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 1.60 - 1.65
Grapeseed, dom., dms.....lb. .35 - .36
imported, dms.....lb. .15 - .20
Ginger, dist., bots.....lb. 5.15 - 5.25
Guaiac wood, concrete, bots..lb. 3.50 - 3.75
Haarlem, imp., bots.....gross. No prices
Halibut liver, ref., dms....gal.40.00 - —
Hemlock, cns.....lb. 1.00 - 1.05
Juniper tar, USP XI, cns....lb. .45 - .50
wood, tech., cns.....lb. .50 - —
Juniper tar, USP XI, cns....lb. .39 - .40
Lard, common, 1, bbls.....lb. .08¾- —
2, bbls.....lb. .08½- —
extra, bbls.....lb. .09¾- —
1, bbls.....lb. .09 - —
Winter strained, bbls.....lb. .09¼- —
prime, burning, bbls.....lb. .10 - —
prime, ined., bbls.....lb. .09½- —

Myrobalans—Oil, Lubric.

Oil, laurel, bots.....lb. 5.00 Nom.
Lavandin, cns., 25 lbs.....lb. 3.25 Nom.
Lavender flower, French, 50% ester, cns..lb. 8.25 Nom.
38-42% ester, cns.....lb. 7.50 Nom.
35-38% ester, cns.....lb. 5.50 Nom.
30-32% ester, cns.....lb. 5.00 Nom.
garden, cns.....lb. .55 - .70
spike, Spanish, tech., cns..lb. 1.80 - 2.05
dms. .....lb. 1.75 - 2.00
Lemon, Calif., cns.....lb. 3.25 - —
Messina, coppers, cns.....lb. 4.75 - 5.00
Terpeneless, Type 1.....lb.16.75 -17.00
Type 2.....lb. 8.50 -15.00
Lemongrass, native, cns., dms., lb. 1.00 - 1.25
Lime, dist., cns.....lb. 5.50 - 6.00
expressed, cns.....lb. 9.00 - 9.50
Terpeneless, Type 1.....lb.67.50 -78.00
Type 2.....lb.46.50 -50.00
Linaloe wood, cns.....lb. 1.75 - 2.00
Linseed, raw, dms., c.l.....lb. .0990-.1010
l.c.l., 10 to 69.....lb. .1020-.1040
5 to 9.....lb. .1050- —
less than 5.....lb. .1070- - —
tanks .....lb. .0920-.0940
Boiled linseed oil .004 cent over raw.
Lovage, extra fine, bots.....lb.85.00 - —
Lubricating, at refinery, ex tax
California, neutrals, pale, 100-600 vis., 2½-4, tanks, gal. .07¼- .11
red, 200-900 vis., 4-6½ plus, tanks..gal. .07¼- .11½
Group 3, bright stocks, 100-210 D, 0-25 pour, tanks, gal. .12½- .18

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Oil, Lubric.—Orthocresol

Oil, lubricating, group 3, neutrals, 150-400 vis., 3-3½, 0-10 pour, tanks..gal. .08 - .12
200-250 vis., 3, 15-25 pour, tanks..gal. .08 - .10
Pennsylvania, bright stocks, S color, 140-150 vis., 10-25 pour, tanks..gal. .14 - .16½
cylinder oils, 600-630 flash, tanks..gal. .10 - .12
600-650 steam ref'd., tanks..gal. .09 - .11
neutrals, 70° F., N color, 150 vis., 0-25 pour, tanks..gal. .19 - .23½
200 vis., 0-25 pour, tanks..gal. .21 - .25½
Mace, dist., cns., dms.....lb. 2.25 - 2.35
Mandarin, superior, coppers..lb. 9.00 -10.00
Menhaden, crude, tanks, fut., Balto..gal. .42 Nom.
ref'd, alkali, dms.....lb. .0680- —
kettle-bodied, dms.....lb. .1080- —
light-pressed, dms.....lb. .0900- —
tanks .....lb. .0800- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, bots., cns..lb. 1.50 - 1.60
dist., natural, bots.....lb. 9.50 -10.00
Neatsfoot, 20° cold test, bbls..lb. .15¼- —
extra, bbls.....lb. .09¾- —
1, bbls.....lb. .09 - —
prime, bbls.....lb. .09½- —
pure, bbls.....lb. .11¾- —
sulphonated, common, 25% moisture, dms..lb. .10½- —
Oil, neroli, bots.....lb.200.00 -325.00
Nutmeg, dist., cns., dms....lb. 2.25 - 2.35
Oleo, 1, bbls.....lb. .07¾- —
2, bbls.....lb. .07½- —
Oiticica, dms.....lb. .17 - .17½
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., dms.....gal. 2.35 Nom.
edible, dms.....gal. 3.60 Nom.
foots, dms.....lb. .11¾ Nom.
sulphonated, 50% (42% fat), dms., c.l..lb. .09½- —
l.c.l. .....lb. .10½- —
75% (63% fat), dms., c.l..lb. .12½- —
l.c.l. .....lb. .13½- —
80% (68% fat), dms., c.l..lb. .127 - —
l.c.l. .....lb. .137 - —
Orange, sweet, dist., cs.....lb. .90 - —
expressed, African, cns., dms., lb. 1.50 - 1.60
Calif., cns.....lb. 2.23 - —
Florida, cns.....lb. 1.50 - 1.60
Messina, USP, coppers...lb. 8.00 Nom.
West Indies, cns.....lb. 2.30 - 2.40
terpeneless .....lb.42.00 -50.00
Origanum, cs.....lb. 1.50 - 1.55
Palm, Niger, dms.....lb. .04¾ Nom.
softs, 12½%, bulk, shipt..lb. .03¾ Nom.
Sumatra, shipt., bulk.....lb. .03¾ Nom.
Palmarosa, cns.....lb. 3.00 Nom.
Paraffin, 320° flash, 60-70 vis., tanks, G. 3..gal. .05¼- —
350° flash, 70-80 vis., tanks, G. 3..gal. .05½- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
350° flash, 100-105 vis., bbls., extra, Ind. refy..gal. .14 - —
300° flash, 100-110 vis., tanks, G. 3..gal. .05¾- —
Oil, patchouli, bots., cns.....lb. 5.25 - 5.50
Peanut, crude, nom., tanks..lb. .06¾ Nom.
refd., edible, bbls.....lb. .09 Nom.
Pennyroyal, dom., cns.....lb. 3.00 Nom.
import, cns.....lb. 2.25 - 2.50
Peppermint, natural, cns., dms. lb. 3.40 - 3.65
redist., USP, cns., dms.....lb. 3.65 - 3.90
Perilla, dms.....lb. .18 - .18½
tanks .....lb. .17 - .17¼
Petitgrain, Paraguay, 44-46% esters, cns..lb. 1.45 - 1.50
dms. .....lb. 1.35 - 1.40
48-50% esters, cns.....lb. 1.60 - 1.65
dms. .....lb. 1.55 - 1.60
Pimento berry, cns.....lb. 5.00 - 5.25
leaf, cns.....lb. 2.50 - 2.75
Pine, dest.-dist., straw-color, dms., dlvd., E. ports..gal. .50 - .55
steam-dist., dms.....gal. .59 - —
tanks .....gal. .54 - —
Pineneedle, Siberian, cns.....lb. 1.35 - 1.40
Putty, bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
Whiting, Ind.....gal. .28 - —
dms., c.l., Boston, Providence, gal. .26 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .26 - —
Rapeseed, blown, dms.....lb. .17½- —
denat., bbls.....gal. .95 - —
Red, dist., or saponif., dms., dlvd..lb. .08¼- .09¼
tanks, dlvd.....lb. .07¾- —
Rose, artif., bots.....oz. 1.35 - 2.25
natural, coppers.....oz. 5.50 -22.50
Rosemary, Spanish, cns.....lb. .83 - .88
dms. .....lb. .80 - .85
Oil, rosin, 1st rectified, dms..gal. .40 - —
2d rectfd., dms.....gal. .42 - —
3d rectfd., dms.....gal. .46 - —
Rue, bots.....lb. 5.25 - 6.00
Sage, cns.....lb. 3.50 - 5.75
Sandalwood, E.I. USP, cns..lb. 4.95 - 5.25
Mysore, cns., case lots....lb. 5.50 - 5.75
Sardine, crude, fut., tanks, Pac. Cst..gal. .54 Nom.
refd., alkali, dms.....lb. .0960- —
kettle-bodied, dms.....lb. .1080- —
light-pressed, dms.....lb. .0900- —
tanks .....lb. .0800- —
Sassafras, artif., cns.....lb. .75 - —
dms. .....lb. .72 - —
natural, cns., dms.....lb. 1.00 - 1.25
Savin, cns.....lb. 7.00 - 7.50
Savory, cns.....lb. 3.75 Nom.
Shark liver, crude, dms..... million vitamin units. .04¾- .06½
Sesame, crude, coast, tanks..lb. .08¼ Nom.
Shingle stains, bbls., c.l., works, gal. .19 - —
l.c.l., works.....gal. .20 - —
tanks, works.....gal. .14 - —
Snakeroot, Canada, cns.....lb. 9.50 -10.50
Soybean, dom., crude, dms...lb. .07¾- .08
tanks .....lb. .06¼ Nom.
refd., dms.....lb. .08¾- .08½
tanks .....lb. .07¾- .08
Spearmint, dms.....lb. 2.75 - 3.00
Sperm, bleach, 38°, dms.....lb. .1120- —
45°, dms.....lb. .1050- —
natural, dms.....lb. .1000- —
Spruce, cns., dm.....lb. 1.00 - 1.05
Sweet, birch, North, cns....lb. 2.25 - 2.65
South, cns.....lb. 1.55 - 1.70
Tail, crude, dms., c.l., works, ton.40.00 - —
l.c.l., works.....ton.45.00 -50.00
tanks, works.....ton.30.00 - —
distilled, dms., c.l., dlvd..lb. .05½- .07
l.c.l., dlvd.....lb. .06½- .06¾
tanks dlvd.....lb. .05 - .06¾
refined, dms., c.l., works..lb. .04 - —
l.c.l., works.....lb. .04½- —
tanks, works.....lb. .03½- —
Tallow, acidless, bbls.....lb. .08¾- —
tanks .....lb. .08¼- —
Tansy, cns.....lb. 4.50 - 4.75
Tar, pine, com'l, dms., c.l., dlvd. E. cities..gal. .26 - —
E. ports, c.l.....gal. .25 - —
l.c.l. .....gal. .27 - —
tanks, dlvd. E. cities....gal. .20 - —
rectfd., USP, bbls., l.c.l., dlvd. E. ports..gal. .55 - —
Tar acid (see T).
Teaseed, crude, dms.....lb. .17½ Nom.
refined, dms.....lb. .20 Nom.
Tea tree (see Oil, Ti tree).
Thyme, NF, red, cns.....lb. 2.00 - 2.05
white, cns.....lb. 2.25 - 2.30
Tung (see Oil, Chinawood).
Ti tree, cns.....lb. 2.50 - 2.80
Turkey red (see castor, sulphonated.
Turpentine (see T).
Turtle, cns.....gal. 7.00 - —
Vetiver, bots.....lb. 5.75 - 9.50
Whale, ref., natural, dms..lb. .0910- —
winter, bleach, dms.....lb. .0950- —
Wheat germ, cns., dms.....gal.17.50 -25.00
White, mineral, dom., tech., 50-60 vis., dms..gal. .30 - .37
65-75 vis., dms.....gal. .32 - .39
80-90 vis., dms.....gal. .33 - .40
USP, 95-105 vis., dms..gal. .39½- .46¼
125-135 vis., dms.....gal. .45 - .53
140-150 vis., dms.....gal. .47 - .55
175-185 vis., dms.....gal. .50½- .58¼
200-210 vis., dms.....gal. .53½- .61¾
320-330 vis., dms.....gal. .60 - .68
335-345 vis., dms.....gal. .61 - .69
Russian, 80-90 vis., dms.gal. No prices
145-155 vis., dms.....gal. No prices
175-185 vis., dms.....gal. No prices
335-345 vis., dms.....gal. No prices
Wintergreen, natural, North, cns..lb. 4.35 - 5.00
South, cns.....lb. 3.05 - 3.75
synth (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. 2.65 - 2.75
Wormwood, cns.....lb. 4.50 - 4.75
Ylang-ylang, Bourb., bots., cns., lb.12.50 Nom.
Manila, bots.....lb.40.00 -41.00
Olivine, aggregate, c.l., mines, ton. 7.00 -11.00
Lumps, same basis.....ton. 7.00 - —
Spalls, same basis.....ton. 5.00 - —
crushed, 8 mesh, bulk, c.l., works..ton. 8.00 - —
paper bags, c.l., works..ton. 9.50 - —
ground, 325 mesh c.l., mines, ton.20.00 - —
200 mesh, c.l., mines....ton.17.00 - —
100 mesh, c.l., mines....ton.15.00 - —
20 mesh to dust.....ton.12.00 - —
Opium, gum, USP, 50-lb. lots, cns..lb.11.50 - —
25-lb. lots, cns.....lb.11.75 - —
5-lb. lots, cns.....lb.12.00 - —
1-lb. lots cns.....lb.12.15 - —
Prices on powd. and gran. USP opium are $1 per pound higher.
Orange, Lake, Persian, bbls..,lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .11½- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .11¼- —
Colo., Mont., N. M., Wyo..lb. .11¾- —
Other points.....lb. .11¼- —
Orange, mineral, Amer., smaller lots, dlvd., Ala., etc., lb. .12 - —
Ariz., etc.....lb. .12½- —
Colo., Mont., N. M., Wyo..lb. .12¼- —
Other points.....lb. .11¾- —
French, Tours, casks, ex dock, lb. No prices
kgs., ex dock.....lb. No prices
Molybdate, bbls.....lb. .31 - —
Toner, bbls.....lb. .80 - —
Orangeflower petals, cs.....lb. .45 - .50
Orange peel, bitter, bls.....lb. .09 - .10
sweet, bls.....lb. .11 - .12
Orris root, Florentine, bgs....lb. .80 Nom.
fingers, cs.....lb. 1.50 Nom.
powd., bbls., bxs.....lb. .85 Nom.
Verona, bls.....lb. .75 Nom.
powd., bgs., cns.....lb. .80 Nom.
Orthoamylphenol, l.c.l., dms., works..lb. .15 - —
Orthoanisidin, bbls.....lb. .70 - —
Orthochloranilin, dms.....lb. .60 - .70
Orthochlorophenol, dms.....lb. .32 - —
Orthocresol, dms., c.l., works..lb. .16 - —
l.c.l., same basis.....lb. .16½- —

Needless TO POINT OUT

UNSETTLED world conditions mean a scarcity of natural products. BUT the products of American aromatics factories have satisfactorily replaced them.

Your attention is particularly called to these artificial essential oils:

OIL of Lavender Artificial
OIL of Bergamot Artificial
OIL of Neroli Artificial
OIL of Geranium Artificial

The following raw materials of Domestic availability are outstanding for their proven popularity in the Soap and Perfume industry:

CYCLAMAL — CITRONAL
FLORANOL — ROSEFOLIA

100% Pure—Soap fast—Free from irritation—Will not discolor.

Our line of pure Domestic aromatic chemicals includes:

ALPHA AMYL CINNAMIC ALDEHYDE
IONONE COMPLETE
PARA CRESOL ETHYL ETHER
PARA CRESOL METHYL ETHER
PHENYL ETHYL ALCOHOL

Send for complete list.

Our domestic industry is equipped to take care of practically every perfume problem confronting the manufacturer of soap, perfume or cosmetic.

Requests for samples on your firm's letterhead will be promptly answered.

Aromatics Division
GENERAL DRUG COMPANY
644 PACIFIC STREET, BROOKLYN, N. Y. — 9 S. CLINTON ST., CHICAGO
TRANSPORTATION BLDG., LOS ANGELES, CAL. — 1019 ELLIOTT ST., W., WINDSOR, ONT.

U.S.I. ALCOHOL NEWS

March ★ A Monthly Review of Technical Developments for Chemists and Executives ★ 1941

LONG-RANGE POLICY AIDS U. S. I. IN MEETING DEMAND FOR ALCOHOL

Photo shows U.S.I.'s huge plant for the production of ethyl alcohol at Baltimore, Md. Other plants are located at Anaheim, Calif., New Orleans, La., and Newark, N. J., serving major industrial areas throughout the country. All plants are conveniently located on seaboard.

Company's Development Program Helpful to Users of Alcohol

The long-range policy of plant and product development which has been consistently followed by U.S.I. for thirty-four years is proving especially valuable at the present time in helping to meet current demands for ethyl alcohol, both for defense purposes and for normal industrial needs.

Current conditions have resulted in a sharp increase in the demand for industrial ethyl alcohol. Even in normal times, alcohol is one of the most important and versatile raw materials used by industry, and its importance today is greatly enhanced by its indispensability in scores of products required for national defense. An additional factor in increasing the demand for ethyl alcohol is the shortage of isopropyl alcohol, which, among other uses, is being employed in large quantities for the manufacture of synthetic acetone. Many manufacturers who had substituted isopropyl alcohol for ethyl alcohol are now reverting to the use of ethyl alcohol as a more consistently available material.

Product Development

As the pioneer producer of industrial ethyl alcohol in the United States, U.S.I. has planned its research and development program with a view to anticipating the requirements of the users of alcohol, both in standards of quality and in production facilities. The contributions made by U.S.I. to the science of alcohol chemistry have resulted in continuous improvement of quality, lower cost to the buyer, and uniformity in meeting technical specifications.

Plant Facilities

In the development of plant facilities and production processes, U.S.I.'s program has been directed toward prompt servicing of customers' needs. Manufacturing plants, employing the most modern methods for rapid volume production, are operated in four cities located in major industrial areas: Baltimore, Md., Newark, N. J., Anaheim, Calif., New Orleans, La. In addition, alcohol stocks are maintained in warehouses in principal cities throughout the country. With these large-scale, strategically located production facilities and convenient warehouses, U.S.I. is in a favorable position to service the needs of government and industry.

TECHNICAL DEVELOPMENTS

For further information write U.S.I.

An emulsion base is said to be suitable for blending with essential oils and aromatics to make them self-emulsifying in water. Base is described as almost water white, practically neutral and odorless, low in cost. **(No. 430a)**

A pyrethrum extract is described as almost entirely free from odor. It is also said to possess superior clarity, better color, high stability, and good kill power and knockdown. **(No. 431a)**

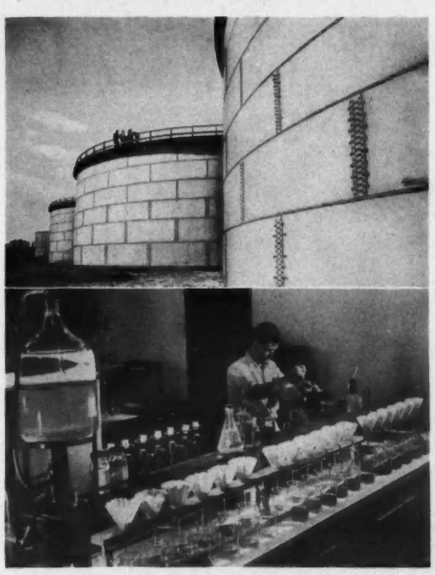
A new photometer is designed for determining Vitamin A concentration by measuring the amount of ultra-violet light transmitted by the Vitamin A solution, according to the manufacturer. It is said that the measuring range covers the widest variations encountered in any one type of commercial fish oil. **(No. 432a)**

New use of rotenone in the treatment of scabies is suggested by recent experiments. An Irish moss lotion containing 1-2% of rotenone is said to have proved effective in a number of cases. **(No. 433a)**

A five-roller mill is reported to be designed for high production of exceptionally thin soap flakes, and to be suitable for automatic milling of toilet soap. **(No. 434a)**

A musk-type aromatic is said to be soluble in alcohol, essential oils, and most aromatic chemicals. It is reported that in solution the odor closely simulates that of genuine musk. **(No. 435a)**

A lasting lemon odor can be produced in soaps and creams with a chemical that is free from objectionable by-odors, according to the manufacturer. The product is said to be suitable for use in colognes also. **(No. 436a)**



***(Above)* These storage tanks at the Baltimore plant have a combined capacity of more than 20,000,000 gallons of molasses, the principal raw material in the manufacture of U.S.I. alcohol.**

***(Below)* Molasses samples are tested in U.S.I.'s laboratory in order to produce the maximum yield of alcohol from the raw material.**

U.S.I. INDUSTRIAL CHEMICALS, INC.
60 EAST 42ND ST., NEW YORK (USI) BRANCHES IN ALL PRINCIPAL CITIES
INDUSTRIAL ALCOHOL IN ALL GRADES AND ALL FORMULAS

PRE-SHIPMENT TESTS CHECK QUALITY OF U. S. I. ALCOHOL

▲ Supplementing rigid chemical tests, the spectroscope is also employed at U.S.I. to detect the presence of even traces of impurities. The spectroscope makes it possible to detect many impurities in proportions as low as ½ part per million.

▼ U.S.I.'s Control Laboratory subjects finished alcohol to careful testing before the alcohol is released for shipment. Samples are drawn from containers of alcohol for approval by the Laboratory.

NO. 9 OF A SERIES ON THE CONTROL AND TESTING OF U.S.I. ALCOHOL

MANUFACTURED from carefully selected raw materials—produced under rigidly controlled conditions—U.S.I. Alcohol is subjected to exacting final tests to assure the maintenance of U.S.I.'s standards. Samples of finished alcohol are drawn from tank cars, drums, cans, and bottles for approval by U.S.I.'s Control Laboratory. Samples are tested for denaturant content, odor and color, freedom from acidity, fusel oil, aldehydes, and other impurities, before the alcohol is released for shipment.

These pre-shipment tests of the quality of U.S.I. Alcohol assure *you* of the alcohol properties you need to formulate products with the appeal that will build sales volume by pleasing discriminating customers. U.S.I.'s rigid testing methods work to your advantage in the manufacture of perfumes, lotions, cosmetics, and similar products. You profit by U.S.I.'s long experience in manufacture when you specify U.S.I. Alcohol.

U. S. INDUSTRIAL CHEMICALS, INC.

Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .06 - —
l.c.l., same basis.....lb. .07 - —
100-lb. tins, same basis..lb. .08 - —
50-lb. tins, same basis..lb. .09 - —
tanks, same basis.....lb. .05½- —
Orthodichlorobenzene prices west of Rockies, 1c. per lb. higher.
Orthonitroaniln, dms.....lb. .55 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol,cms.lb. .75 - —
Orthonitrotoluene, dms.....lb. .09 - —
Orthophenetidin, dms.....lb. .80 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange extract, cryst., bbls. lb. .21 - —
liquid, 42°, bbls.....lb. .09 - —
51°, bbls.....lb. .10 - —
Oxyquinolin sulphate, cms., 100-lbs., works..lb. 3.50 - —
bots., cns., 1-50 lbs.....lb. 3.65 - 4.00
Orthotoluene hydrochloride,dms.lb. .22 - —
Sulphonate, kgs.....lb. 2.00 - 2.05

P

Papain, powd., cs.....lb. 1.40 - 1.45
Paprika, Algerian, bgs.....lb. .33 - .34
Bulgarian, bgs.....lb. .30 - .31
Portuguese, fancy, bgs.....lb. .33 - .34
good, bgs.....lb. .29 - .30
Spanish, extra fancy, cs.....lb. .39 - .40
medium, cs.....lb. .37 - .38
Parachlorophenol, dms.....lb. .32 - —
Paracymene, refd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms, c.l..lb. .11 - .12
l.c.l. .....lb. .12½- .13½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla. refy..lb. .0285- .03
bbls., c.l., N.Y.....lb. .0285- .03
124-126 A.m.p., bgs., c.l., Okla. refy..lb. .0285- .0305
bbls., c.l., N.Y.....lb. .0285- .0305
yellow, 124-126 A.m.p., bbls., c.l., N.Y..lb. .0285- —
fully refd., bgs., 123-125 A.m.p., bgs., c.l..lb. .0570- —
128-130 A.m.p., bgs. or loose, c.l..lb. .0570- —
131-133 A.m.p., bgs. or loose, c.l..lb. .0595- —
133-135 A.m.p., bgs. or loose, c.l..lb. .0625- —
135-137 A.m.p., bgs. or loose, c.l..lb. .0650- —
138-140 A.m.p., bgs. or loose, c.l..lb. .0725- —
143-145 A.m.p., bgs. or loose, c.l..lb. .0820- —
151-153 A.m.p., bgs. or loose, c.l..lb. .15 Nom.
Refined paraffin prices in cases are ½c. lb. higher than bags price; solid in tankcars is 5c. lower.
match, A.m.p. up to and incl. 110-112 bbls., c.l..lb. .03½- —
semi-refd., solid, 122-124 A.m.p., bgs..lb. .03 - —
Paraformaldehyde, dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C...lb. .23 - —
100 to 900 lbs. shipments, same basis..lb. .24 - —
Paraldehyde, tech., 98%. 55 and 110-gal. dms., c.l., works..lb. .10 - —
l.c.l., works.....lb. .11¼- —
5 and 10-gal. dms., works..lb. .15 - —
USP. cs., cbys.....lb. .37 - .45
Paranitrophenol, kgs.....lb. .35 - —
Paranisidine, dms.....lb. .75 - —
Paranitroanilin, kgs., works...lb. .45 - —
Paranitrochlorobenzene, kgs...lb. .15 - —
Paranitrotoluene, kgs.....lb. .30 - —
Paraphenylenediamine, bbls....lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls.....lb. .48 - —
Pareira brava root, bls.....lb. .20 - .21
Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld.lb. .23 - .25
l.c.l., same basis.....lb. .24 - .26
Passion flower, herb, bls.....lb. .06 - .07
Patchouli leaves, bls.....lb. .28 - .30
Pellitory root, bls.....lb. .30 - .32
Pennyroyal leaves, bls.....lb. .15 - .16
Pentachlorophenol, dms., works, lb. .20 - .25
Pentane, norm., 28-38°, dms., c.l., G.3..gal. .11½- —
l.c.l., G.3.....gal. .16 - —
tanks, G.3.....gal. .07 - .08½
laboratory grade, dms., c.l., G.3. gal. .14 - —
l.c.l., G.3.....gal. .25 - —
Pepper, black, Alleppy, bags..lb. .08 Nom.
Lampong, bags.....lb. .07 - .07½
Tellicherry, bags.....lb. .08 Nom.
white, Java, Muntok, bags..lb. .10¾- .11¼
Muntok, small berry, bags..lb. .10¼- .10¾
red, chillies, Japan, Hoataka.lb. .20¾- .21
Mombassa, bgs.....lb. .26 - .26½
Peppermint leaves, dom., bls..lb. .60 - .65
import, bls.....lb. .95 Nom.
Perchlorethylene, dms., c.l., works, frt. alld., zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..bl. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on perchlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.....lb. .70 - .75
Petrolatum, amber, dms., c.l..lb. .02¾- —
l.c.l. .....lb. .03¾- —
amber, extra, dms.....lb. .03 - —
l.c.l. .....lb. .04 - —
white, cream, dms., c.l.....lb. .04 - —
l.c.l. .....lb. .05½- —
lily, dms., c.l.....lb. .04¾- —
l.c.l. .....lb. .06½- —
snow, dms., c.l.....lb. .05½- —
l.c.l. .....lb. .07½- —
Petroleum, crude, bulk, at wells:—
California .....bbl. .60 - 1.71
Canada .....bbl. 1.70 - 2.10
Central West:—
Illinois .....bbl. 1.00 - 1.15
Lima .....bbl. .90 - —
Michigan .....bbl. .92 - 1.23
Princeton .....bbl. 1.00 - —
East Texas.....bbl. 1.10 - —

Petroleum, crude, bulk, at wells, Gulf Coast.....bbl. .86 - 1.28
Kentucky, Tennessee.....bbl. .90 - 1.20
Louisiana, Arkansas.....bbl. .55 - 1.25
Mexico .....bbl. No prices
Midcontinent:—
North Texas.....bbl. .70 - 1.03
Oklahoma-Kansas .....bbl. .58 - 1.10
Pennsylvania, Ohio, West Virginia:—
Bradford, Allegany....bbl. 2.30 - —
Corning .....bbl. 1.12 - —
N. Y. Transit lines....bbl. 2.30 - —
Rocky Mountains.....bbl. .35 - 1.10
Eureka lines.....bbl. 1.85 -
S. W. Penn lines.....bbl. 1.95 - —
Lower district in National Transit lines..bbl. 2.18 - 2.23
Rocky Mountains.....bbl. .35 - 1.10
South Central and Southwestern Texas..bbl. .80 - 1.29
Texas Panhandle.....bbl. .67 - .96
West Texas.....bbl. .53 - .95
Ether, normal, tanks, G.3....gal. .09¾- —
dms., c.l., divd.....gal. .24 - —
l.c.l., 5 or more, divd...gal. .29 - —
1-5, divd.....gal. .38 - —
laboratory grade, dms., c.l., G.3..gal. .14½- —
l.c.l., G.3.....gal. .25½- —
10-gal. lots, G-3.....gal. .50½- —
Lacquer, diluent, at refinery:—
California, 100 l.b.h., 200 e.p., tanks, divd., Los Angeles..gal. .11 - —
San Francisco..gal. .11½- —
Willbridge, Ore., Fort Wells, Wash..gal. .12 - —
East Coast, tanks.....gal. .09½- .10
Group 3, toluol type, tanks, gal. .06¾- .07⅝
Benzol type, tanks..gal. .06¾- .07⅝

Petroleum, mineral spirits, at refinery:—
California (f.o.b. San Francisco), 166-232 b.r., tanks, gal. .10½- —
198-290 b.r., tanks...gal. .10½- —
246-397 b.r., tanks...gal. .10½- —
312-408 b.r., tanks...gal. .09 - —
362-458 b.r., tanks...gal. .09 - —
East Coast, 43-47, tanks.gal. .0830- .09½
47-49, tanks.....gal. .10½- —
Group 3, tanks.....gal. .05 - .05⅞
tankwagon, tax included:—
Albany .....gal. .13½- —
Baltimore (100 gals.)..gal. .14 - —
25-99 gals.....gal. .16 - —
Boston .....gal. .13½- —
Bound Brook, North Amboy, N. J..gal. .13½- —
Bridgeport, Conn.....gal. .11½- —
Buffalo .....gal. .15½- —
Camden, N. J.....gal. .10 - .11½
Chicago .....gal. .1670- —
Decatur .....gal. .1810- —
Des Moines.....gal. .1790- —
Evansville, Ind.....gal. .1420-.1520
Milwaukee .....gal. .1930- —
Minneapolis-St. Paul..gal. .19½- —
Newark .....gal. .09½- —
New York (200 gal)...gal. .09½- —
Omaha .....gal. .12½- —
Pittsburgh .....gal. .11½- .13½
Providence .....gal. .12 - —
Rochester .....gal. .12½- —
St. Louis.....gal. .1470- —
Syracuse .....gal. .10½- —
Trenton .....gal. .10½- —
Wilmington, Del.....gal. .12½- —

Orthodichlorb.—Pet., Naph.

Petroleum, naphtha, cleaners', at refinery:—
California (f.o.b. San Francisco), tanks..gal. .12 - —
East Coast, tanks.....gal. .09 - .10½
Group 3, tanks.....gal. .067⅛- .07
Gulf Coast (f.o.b. New Orleans), tanks....gal. .06¾- —
tankwagon, Boston, ex tax, gal. .13½- —
Bridgeport .....gal. .13½- —
Chicago, inc. 4c. tax...gal. .18 - —
Decatur, inc. 4c. tax...gal. .1910- —
Des Moines, inc. 4c. tax, gal. .1890- —
Evansville, inc. ex tax.gal. .15 - .16
Milwaukee, inc. 5c. tax.gal. .2050- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20½- —
Newark, ex tax.....gal. .10½- —
New York, ex tax.....gal. .10½- —
Omaha, ex tax.....gal. .1490-.1590
Oklahoma City, ex tax.gal. .10½- —
Philadelphia, ex tax...gal. .12 - —
St. Louis, inc. 1c. tax..gal. .15½- —
Syracuse, 150 gals...gal. .14½- —
smaller lots, galv. drums, gal. .10 - —
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway..gal. .21 - —
2, over 90% arom., same basis..gal. .21 - —
3, same basis.....gal. .22 - —
8, tanks, f.o.b. Paulsboro, N. J..gal. .16½- —
30, same basis.....gal. .17½- —
40, same basis.....gal. .17¾- —

SOMETIMES this business of making paint is like lighting a fuse whose other end is concealed from view. What happens next?

The mere act of adding naphthas, for example, may play an important part in bringing back a pleasing report from the trade..or..it may set off unpleasant explosions about gum formation, discoloration, livering, etc.

To help manufacturers find out what happens next with naphthas, Shell established a staff of Naphtha Technicians. These men are experienced chemical engineers, especially trained and experenced in the uses and characteristics of naphthas. Because of their specialized knowledge, they have given many manufacturers invaluable aid in determining the effects of a naphtha *before* it goes into the paint . . . rather than afterwards.

The Shell Naphtha Technician can do the same for you . . . without cost to you. Just ask the nearest Shell Office to arrange for a visit.

SHELL

SHELL NAPHTHAS

Pet., Naphtha—Saltcake, Chrome

Petroleum, naphtha, V. M. & P., at refinery:—
California, 46.5, 254 i.b.p., 330 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond .....gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-57, 190 i.b.p., 310 e.p., tanks, dlvd. Los Angeles, gal. .10 - —
San Francisco....gal. .10½- —
Portland, Seattle.gal. .11 - —
East Coast, tanks.....gal. .09 - .09½
Group 3, tanks.....gal. .06 - .07
Gulf Coast (dlvd. New Orleans), tanks....gal. .06½- —
tankwagon, Boston, ex tax, gal. .14½- —
Chicago, inc. 4c. tax..gal. .17 - —
Des Moines, inc. 4c. tax.gal. .1890- —
Decatur, inc. 4c. tax...gal. .1910- —
Evansville, Ind., ex tax, gal. .1520-.1620
Milwaukee, inc. 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20 - —
Newark, ex tax.....gal. .11½- —
New York, ex tax.....gal. .10½- —
Omaha, ex tax.....gal. .1490-.1590
Philadelphia, ex tax...gal. .13 - —
St. Louis inc. 1c. tax..gal. .1570- —
Solvent, rubber at refinery, California (f.o.b. San Francisco), bbls..gal. .24 - —
East Coast, tanks.....gal. .09½- —
Group 3, light, 120 i.b.p., 250 ep., tanks..gal. .06 - .07
standard, 180 i.b.p., 288 e.p., tanks..gal. .06 - .07
Stoddard (CS 8-53), at refinery:—
California (f.o.b. San Francisco), tanks..gal. .11 - —
East Coast, tanks.....gal. .0830- .09½
Group 3, tanks.....gal. .05½- .06½
Tankwagon, Boston, ex tax, gal. .14 - —
Chicago, inc. 4c. tax..gal. .1640- —
Decatur, inc. 4c. tax..gal. .1860- —
Des Moines, inc. 4c. tax.gal. .1840- —
Evansville, Ind., ex tax. gal. .14 - .15
Milwaukee, inc. 5c. tax.gal. .1980- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .1820- —
Newark, ex tax.....gal. .09½- —
New Orleans, ex tax..gal. .11 - —
New York, ex tax.....gal. .09½- —
Omaha .....gal. .1360-.1450
Philadelphia, ex tax...gal. .13 - —
St. Louis, inc. 1c. tax..gal. .1340- —
Tulsa, ex tax.....gal. .10½- .11½
Phenebarbital, 5-lb. bots.....lb. 3.95 - —
bots. or cns., 100 lbs., spot or contract..lb. 3.60 - —
25-lb. cns.....lb. 3.85 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .12 - —
l.c.l., same basis.....lb. .12¾- —
under 1,000 lbs.....lb. .13¾- —
tanks, works.....lb. .11 - —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs., 100-250 lbs., lb. .87 - .89
yellow, fib. dms., 2,000-lb. lots, lb. .80 - —
100-lb. fib. dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 2.10 - 2.50
Dimethylacetate, cns.....lb. 14.50 -15.00
Phenyl ethyl acetate, cns.....lb. 2.90 - 3.00
Phenylethylphenyl acetate, bots., lb. 8.00 -15.00
Phenylhydrazine, base, CP, bots, lb. 4.00 - —
hydrochloride, CP, bots, works, lb. 4.00 - —
commercial, kgs., works....lb. 1.50 - —
pure, bbls., works.....lb. 2.25 - —
Phloroglucinol, CP, tins, wks..lb. 20.00 -22.00
tech., tins, works.....lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. No prices
land pebble, 68% min., bulk, mines..long ton. 1.90 - —
70% min., bulk, mines.... long ton. 2.15 - —
72% min., bulk, mines.... long ton. 2.50 - —
Tenn., 72% bulk, mines..... long ton. 4.50 - —
75% bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
yellow, dms.....lb. .18 - .20
cakes .....lb. .23 - .25
Oxychloride, cyls.....lb. .15 - .18
Pentoxide, dms., c.l., works..lb. .11 - .12
l.c.l., dms., works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., works, tons.lb. .35 - —
single bbls., works.....lb. .40 - —
kgs., works.....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .10 - .11
Pilocarpine hydrochloride, bots., vls..oz. 3.75 - 4.00
Nitrate, bots., vls.....oz. 3.75 - 4.00
Pimento, Jamaican, bgs.....lb. .33 - .34
Mexican, bgs.....lb. .13½- .14
Pinkroot, bls.....lb. .40 - .41
Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l. .....ton. 22.00 - —
Hardwood, 1-time dms., c.l., dlvd. Akron..ton. 23.75 -24.00
Linseed, dms.....lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas)
Pine, bbls.....bbl. 6.00 - 6.50
Plaster of Paris (see Gypsum).
Pleurisy root, Southern, bls...lb. .12 - .13
Podophyllin, dms., dlvd. E. of Miss..lb. 4.50 - 4.70
Poke root, bls.....lb. .07 - .07½
Polyamyl naphthalene, l.c.l., dms., works..lb. .30 - —
Pomegranate bark, bgs.....lb. .49 - .50
Root bark, bgs.....lb. .60 - .65
Poppy flowers, red, bls.....lb. .70 - .75
Seeds, Dutch, bgs.....lb. .40 - .41
Roumanian, bgs.....lb. .37 - .38
Turkish, bgs.....lb. .35 - .36
Potash abietate.....lb. .08 - —
Acetate, tech., bbls., dlvd....lb. .26 - —
kgs., dlvd.....lb. .28 - —
USP, bbls., 250 lbs.....lb. .28 - —
kgs., 100 lbs.....lb. .30 - —
cns., 25 lbs.....lb. .31 - .44
Arsenite, USP, solut., cbys., 100 lbs..lb. .11 - —
demj., 50 lbs.....lb. .12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs..lb. .17 - —
kgs., 100 lbs.....lb. .19 - —
gran., bbls., 250 lbs.....lb. .17 - —
kgs., 100 lbs.....lb. .19 - —
Bichromate, spot, c.l., works.lb. .08½- —
fi casks or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
fib. dms., 100 lbs.....lb. .28 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis.lb. .03½- —
tanks, same basis.....lb. .02¾- —
USP, gran., bbls., 325 lbs..lb. .14 - —
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
import, dms.....lb. No prices
liquid, 45% basis, dms.....lb. .03½- .03¾
tanks .....lb. .02¾- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
import, dms.....lb. No prices
Chlorate, cryst., kgs.....lb. .11 Nom.
pwd., kgs.....lb. .09½- .10
Chloride, tech., 98%, cryst., bgs., kgs..lb. .08 Nom.
Chromate, kgs.....lb. .24 - .27
Citrate, USP, gran., bbls., 250 lbs..lb. .33½- —
kgs., 100 lbs.....lb. .34½- —
cns., 50 lbs.....lb. .35½- —
cns., 25 lbs.....lb. .37½- —
Cyanide, dom. dms., works..lb. .55 - —
Cyanide, gold, 41% gold, bots., works..oz. 14.20 -14.95
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. 1.00 - —
100-lb. lots.....lb. 1.10 - —
50-lb. lots, cbys., or cns., lb. 1.15 - —
25-lb. lots, cns.....lb. 1.25 - —
Guaiacolsulphonate, fib., dms., 100-lb. lots..lb. 1.60 - 1.65
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks cns., 100 lbs. to 1,000 lbs..lb. .32 - .34
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.55 - —
cns., 25 lbs.....lb. 3.46 - —
Iodide, bbls., 250 lbs.....lb. 1.20 - —
bots., or cns.....lb. 1.29 - 1.55
dms.....lb. 1.20 - 1.25
Kainit, 20%, K_2O, bulk, ex vessel, Atlantic or Gulf ports.. ton. No prices
Manure salt, dom., min., 30% K_2O, bulk, ex vessels, ports. Unit-ton. .60 - —
import, 30% K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton. No prices

Domestic manure salt prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex vessel price named above. Prices in bags are $2 per ton higher than bulk prices.

Metabisulphite, kgs.....lb. .21 Nom.
Muriate, dom., min., 50% or 62%, K_2O, bulk, ex-vessel, ports..unit-ton. 53½- —
import, min., 50% or 60% K_2O, bulk, ex-vessel, Atlantic or Gulf port—unit-ton. No prices

Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex-vessel price named above. Prices, basis f.o.b. Trona, Cal., are 8c. per unit of K_2O less than the ex-vessel price. Prices in bags are $2 per ton higher than the bulk price.

Oxalate, pure, cryst., kgs....lb. .30 - .31
tech., bbls.....lb. .25 - .26
Nitrate, crude, bgs., c.i.f. ports, ton. No prices
Perchlorate, kgs., works.....lb. .09½- .11
Permanganate, tech., dms...lb. .19¼- .19¾
U.S.P., dms.....lb. .20 - 20½
Prussiate, red., bbls.....lb. No prices
Yellow, bbls.....lb. .16 - .18
Recinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lumps, bgs..lb. .07 - —
Sulphate, NF, cryst., 400 lbs., bbls..lb. .18 Nom.
100-lb. kgs.....lb. .20 - —
powd., 350 lbs., bbls....lb. .19 Nom.
100-lb. kgs.....lb. .21 - —
tech., dom., bgs., basis 90% K_2SO_4, ex-vessel, ports, ton. 36.25 - —
bulk, same basis.....ton. 34.25 - —
imp., min., 90%, bgs., ex vessel, Atl. or Gulf ports..ton. No prices
Xanthate, dms., c.l.....lb. .13 - —
Potash-magnesia, sulphate, dom., bgs., 40%, K_2SO_4, ex-vessel, ports..ton. 27.00 - —
bulk, same basis.....ton. 25.00 - —
Potash-soda ferricyanide, dms., works..lb. .36 - .39
Potash titanium oxalate, 350-lb. bbls..lb. .40 - —
100-lb. dms.....lb. .40 - —
Prickly ash bark, bls.....lb. .12 - .13
Berries, bgs.....lb. .28 - .30
Prince's pine herb, bls.....lb. .22 - .23
Procaine, hydrochloride, 25-lb. cns..lb. 8.00 - —
5-lb. cans.....lb. 8.25 - 8.50
1-lb. bots.....lb. 8.75 - —
Propane, tanks, Group 3.....gal. .03¾- .04
Psyllium seed (see Pleasesd).
Pulsatilla, bls.....lb. .85 - .90
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F., and coarser, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No. prices
F and I, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
O, O—½, O—¾, and ½, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
Ital.-grd., bgs., c.l., ship., ex dock, N. Y..ton. No prices
l.c.l., 5-20 tons, ex whse.. ton.. No prices
1,060-10,000 lbs., ex whse. ton. No prices
2 bgs. to 1,000 lbs., ex whse..ton. No prices
single bgs., ex whse.ton. No prices
Pumpkin seed, bgs.....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dm.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2 grams pyrethrins per 100 cc., dms., dlvd..gal. 4.75 - 4.95
(30 to 1), 3 grams pyrethins per 100 cc., dms., dlvd..gal. 7.20 - —
Pyrethrum flowers, coarse, grnd. (g.f.p.), 9% pyrethrins, frt. alld., bbls..lb. .23 - .25
fine powd., 9% pyrethrins, frt. alld., bbls..lb. .25 - .26
Pyridin, denaturing, dms....gal. 1.71 - —
refd., 2°, dms.....lb. .48 - —
Pyrites Spanish, bulk, c.i.f. Atl. ports..unit-ton. No prices
Pyrocatechin, CP, cryst., works, fib. dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophylite, standard, 200 mesh, c.l., mines..ton. 9.00 - —
325 mesh, same basis...ton. 12.00 - —
No. 3, 200 mesh, c.l., mines.ton. 7.50 - —
325 mesh, same basis....ton. 12.00 - —
Pyroxylin scrap amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
china white, ivory, cs., works, lb. .13 - —
dense, white, cs., works....lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works....lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works, lb. .16 - —
colors, mixed, cs., works.lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan. bbls., works..lb. .04¼- —
tanks, works.....lb. .03¾- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04⅞- —
clarified, 64%, bgs., c.l., same basis..lb. .05½- —
Queen of the meadow leaves, bgs..lb. .07½- .08
Root, bgs.....lb. .10 - .11
Quercitron, extract, liquid, 50°, bbls..lb. .03½- .09½
solid, dms.....lb. .11 - .16½
Quicksilver, dom., flasks (76 lbs. net), dlvd., N. Y....flask. 178.00 -180.00
European, flasks (76 lbs. net), c.i.f., N. Y., incl. war risk insurance..flask. 250.00 - —
ex store.....flask. 252.00 - —
Quince seed, bgs.....lb. 1.10 - 1.15
Quinidine, N.F.V., cryst., cns.oz. 1.06 - —
powd., precip., cns.....oz. 1.01 - —
Sulphate, cns.....oz. .71 - —
Subject to surcharge of 7c. per oz.; see note under Quinine.
Quinine, 100 ozs., cns.....oz. .84 - —
Acetate, cans.....oz. 1.05 - —
Arsenate, cns.....oz. 1.05 - —
Arsenite, cns.....oz. 1.07 - —
Bisulphate, cns.....oz. .60 - —
Citrate, cns.....oz. .78 - —
Dehydrobromide, bots.....oz. .82 - —
Dihydrochloride, bots.....oz. .82 - —
Ethylcarbonate, cns.....oz. .85 - —
Ferrocyanide, cns.....oz. 1.07 - —
Formate, cns.....oz. 1.00 - —
Hydrochlorosulphate, cns....oz. .81 - —
Glycerophosphate, cns.....oz. 1.20 - —
Hydrochloride, cns.....oz. .76 - —
Hydriodide, cns.....oz. 1.05 - —
Hypophosphite, cns.....oz. 1.07 - —
Phosphate, cns.....oz. .90 - —
Salicylate, cns.....oz. .79 - —
Sulphate, USP, XI, cns.....oz. .67 - —
Sulphocarbonate, cns.....oz. 1.05 - —
Tannate, cns.....oz. .63 - —
Tartrate, cns.....oz. 1.03 - —
Valerate, cns.....oz. .99 - —
Quinine buyers must pay a surcharge of 7c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Quinine-urea hydrochloride, cns.oz. .81 - —
Subject to surcharge of 7c. per oz.; see note under Quinine.

R

R salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Argentine, bgs.....lb. .06 - .06½
Dutch, bgs.....lb. No stocks
Indian, small, recleaned, bgs.lb. .06¼- .06½
medium, recleaned, bags..lb. .07½- .08
Japanese, bgs.....lb. No stocks
Raspberries, dried, bls.....lb. .60 - .65
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Red, alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N.C., S.C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .90 - —
smaller lots, same basis...lb. .95 - —
kgs., ton lots, same basis....lb. .95 - —
smaller lots, same basis...lb. 1.00 - —
light shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis...lb. .80 - —
kgs., ton lots, same basis....lb. .80 - —
smaller lots, same basis...lb. .85 - —
light-medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis...lb. .85 - —
kgs., ton lots, same basis.lb. .85 - —
smaller lots, same basis.lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis...lb. 1.05 - —
kgs., ton lots, same basis.lb. 1.05 - —
smaller lots, same basis.lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
smaller lots, same basis...lb. .90 - —
kgs., ton lots, same basis....lb. .90 - —
smaller lots, same basis.lb. .95 - —
Red, selenide, bbls., light, wks. lb. 2.20 - —
Selenide, bbls., light, works..lb. 2.20 - —
maroon, works.....lb. 2.70 - —
Carmine, 40, dms., 100 lbs....lb. 4.60 - —
50 lbs.....lb. 4.75 - —
cns., 5 lbs.....lb. 5.25 - —
1 lb.....lb. 5.35 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.25 - —
Fire, toner, bbls.....lb. .85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¾- —
80-85%, bbls., same basis...lb. .07¼- —
Iron oxide (see Red oxide).
Lacquer maroon, bbls., same basis..lb. 1.25 - —
Lake C toner, bbls., same basis, alizarin, lake, contracts..lb. .90 - —
open order.....lb. .90 - —
Lithol toner, bbls., same basis, alizarin, lake, contracts..lb. .55 - —
open order.....lb. .60 - —
Rose lake, bbls.....lb. .20 - .23
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake, contracts..lb. 1.10 - —
Maroon lake, 25%, kgs., same basis, alizarin lake, contracts..lb. .40 - —
Mercury oxide, tech., dom., bbls., lb. 2.81 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .06½- —
l.c.l., works.....lb. .09½- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio..lb. .08¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kgs, same basis, alizarin lake, contracts..lb. .70 - —
open order.....lb. .75 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N. Y..lb. .05 - —
ex whse., Chicago, St. Louis..lb. .05¾- —
San Fran., Los Angeles, Portland, Seattle..lb. .05½- —
Phloxin toner (see Red, Eosin toner).
Phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis, alizarin lake..lb. .55 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish, oxide, bbls., f.o.b. N.Y..lb. .04½- —
Toluidine toner kgs., same basis, alizarin lake..lb. 1.05 - —
Tuscan, bbls., f.o.b. N.Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220-
10%, bbls., works.....lb. .0245-
15%, bbls., works.....lb. .0265-
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 Nom.
quicksilver, bbls.....lb. 3.12 - 3.17
Red dyes are listed under Dyes.
Red, precipitate, N. F., powd., fib. dms., 50 lbs. or more..lb. 3.06 - —
Red saunders wood, ground, bbls. lb. .35 - —
Resorcinol, tech., 200-lb. dms., frt. alld., E. of Miss..lb. .68 - —
smaller quantities, works..lb. .74 - —
USP, cryst., 100 lbs., dms., frt. alld., E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .10 - .11
Rhubarb, cs.....lb. .38 - .40
powd., bbls., kgs.....lb. .43 - .45
Riboflavin .....gram. 1.75 - 2.25
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .39½- —
smaller lots.....lb. .40 - —
powd., bbls., 5,000 lbs., 1 ship't..lb. .38½- —
smaller lots.....lb. .39 - —
Rose flowers, pale, bls.....lb. .42 - .43
red, bls.....lb. 5.00 Nom.
Rosemary, flowers, bls.....lb. .45 - .50
leaves, bls.....lb. .26 - .27
Rosin, gum B, bbls., ex dock.. 100 lbs. 2.11 - —
D, bbls.....100 lbs. 2.35 - —
E, bbls.....100 lbs. 2.35 - —
F, bbls.....100 lbs. 2.35 - —
G, bbls.....100 lbs. 2.35 - —
H, bbls.....100 lbs. 2.35 - —
I, bbls.....100 lbs. 2.35 - —
K, bbls.....100 lbs. 2.50 - —
M, bbls.....100 lbs. 2.52 - —
N, bbls.....100 lbs. 2.66 - —
W. G., bbls.....100 lbs. 3.11 - —
W. W., bbls.....100 lbs. 3.31 - —
X, bbls.....100 lbs. 3.31 - —
wood, F.F., bbls.....100 lbs. 1.65 - 2.00
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton. 23.50 - —
l.c.l., f.o.b. mines.....ton. 37.50 - —
import, lump, bbls.....lb. No prices
powd., bbls.....lb. No prices
Rue, bls.....lb. .30 - .35

S

Sabadilla seed, powd., bbls....lb. .22 - .23
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls.....lb. .35 - .40
Saffron, Mexican, bls.....lb. .40 - .45
Spanish, tins.....lb. 27.00 -28.00
Safrol, cns.....lb. .90 - —
dms.....lb. .85 - —
Sage, Dalmatian, garden, bls..lb. 1.40 Nom.
stemless, bls.....lb. 1.25 - 1.50
ground, bls.....lb. 1.50 - 1.60
Greek, afloat, bls.....lb. .38 - .40
Spanish, bls.....lb. No stocks
Sago flour, bgs.....lb. .03¾- .04¼
Salicin, bots., 5 lbs.....lb. 7.04 - —
cns., 25 lbs.....lb. 7.00 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd. N. Y..ton. 13.70 - —
l.c.l., bgs., dlvd. N. Y..ton. 15.50 -16.10
vacuum, common, fine, bgs., c.l., dlvd. N. Y..ton. 15.70 - —
l.c.l., dlvd. N. Y.....ton. 16.60 -19.70
Saltcake, grd., dom., bbls., works, ton. 24.00 Nom.
bulk, works.....ton. 17.00 Nom.
import, bulk, c.i.f.....ton. 16.50 Nom.
Chrome (see Chrome cake).

Saltpeter, dbl., refined, cryst., 10-20 tons, bbls..100 lbs. 8.60 - 9.00
1-9 tons.....100 lbs. 8.75 - 9.75
less than ton lots..100 lbs. 9.00 -10.00
gran., bbls., 10-20 tons.....
100 lbs. 7.60 - —
1-9 tons.....100 lbs. 7.75 - —
less than ton lots..100 lbs. 8.00 - —
powd., bbls., 10-20 tons.....
100 lbs. 8.60 - —
1-9 tons.....100 lbs. 8.75 - —
less than ton lots..100 lbs. 9.00 - —
Santonin, cryst., cns.....kilo.150.00 -155.00
Saponin, crude, cns.....lb. 2.25 - 2.50
Purified, cns., 25 lbs.....lb. 3.00 - 3.25
Sarsaparilla root, Honduras, bls., lb. .28 - .30
Mexican, bls.....lb. .16 - .18
Sassafras, bark, ord., bls.....lb. .13 - .14
select, bls.....lb. .20 - .21
Savory, bls.....lb. 1.50 - 1.60
Saw palmetto berries, bgs.....lb. .08 - .09
Scammony root, bgs.....lb. .07 - .08
resin, lump, cns.....lb. .85 - —
powd., bxs.....lb. .90 - —
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .30¾- —
smaller lots.....lb. .31¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .31¼- —
smaller lots.....lb. .31¾- —
Selenium, pwd. A, 10-lb. tins..lb. 2.00 - —
100-lb. cases.....lb. 1.75 - —
Senega root, spot, bls.....lb. .95 - 1.00
Senna leaves, Alexandria, half leaf, bls..lb. .18 - .20
siftings, bgs.....lb. .17 - .19
Tinnevelly, No. 1, bls.....lb. .12 - .13
2 bls.....lb. .10 - .11
3 bls.....lb. .08½- .09
powd., bbls., bxs.....lb. .12 - .18
Pods, bls.....lb. .09 - .10
Serpentaria root, bls.....lb. .60 - .65
f.o.b. N.Y..lb. .31 - .32
dlvd., Boston.....lb. .31½- .32½
Chicago.....lb. .31¾- .32¾
Pacific Coast.....lb. .34 - .35
rfd., bbls., f.o.b. N.Y.....lb. .37 - .38
dlvd., Boston.....lb. .37½- .38½
Chicago.....lb. .37¾- .38¾
Pacific Coast.....lb. .40 - .41
Garnet, bgs.....lb. .25 - .26
D.C., V.S.O., or Diamond 1 cs., cs. lb. .33 - .34
Superfine, bgs., f.o.b. Boston, N.Y..lb. .24 - .25
dlvd., Chicago.....lb. .24½- .25½
Pacific Coast.....lb. .27 - .28
T. N., bgs., f.o.b. Bost., N.Y. lb. .23 - .24
dlvd., Chicago.....lb. .23½- .24½
Pacific Coast.....lb. .26½- .27½
varnish, Metro, area, orange, 5-lb. cut, bbls..gal. 1.25 - 1.30
4½-lb. cut, bbls.....gal. 1.20 - 1.25
4-lb. cut, bbls.....gal. 1.15 - 1.20
white, 5-lb. cut, bbls.....gal. 1.35 - 1.40
4½-lb. cut, bbls.....gal. 1.30 - 1.35
4-lb. cut, bbls.....gal. 1.25 - 1.30
Prices, dlvd., Boston or Chicago, 10c. per gal. higher.
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.17.00 - —
l.c.l., 2½ tons, works, ton.19.00 - —
smaller lots, works..ton.20.00 - —
wet-grd., 96-97%, 325 mesh, bgs., c.l., works..ton.19.00 - —
l.c.l., 2½ tons, works, ton.21.00 - —
smaller lots, works..ton.25.00 - —
400 mesh, bgs., c.l., works, ton.30.00 - —
l.c.l., 2½ tons, works..ton.35.00 - —
smaller lots, works..ton.38.00 - —
96-98%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons, works..ton.21.50 - —
smaller lots, works..ton.23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
med. grd., 99% 325 mesh, l.c.l., 2½ tons, works..ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.13.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works, ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .34¾- —
Govt. purchase, dom., metal, oz. .7111- —
Govt. purchase, foreign metal, oz. .35 - —
Cyanide, cns., 2,500 ozs.....oz. No prices
1,000 ozs.....oz. No prices
500 ozs.....oz. No prices
80 to 100 ozs.....oz. No prices
Nitrate, vis.....oz. .24 - —
Nucleinate, bots., cns., 480-oz. lots..oz. .30 - .31
Proteinate, bots., cns., 480-oz. lots..oz. .29 - .30
Simarubra barks, bls.....lb. .30 - .35
Skullcap, Eastern, bls.....lb. .23 - .24
Western, bls.....lb. .14 - .15
Skunk cabbage root, bls.....lb. .11 - .12
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .20 - .22
Smalt, black, extra velvet, ctns., lb. .05 - .08
Blue, ctns.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .10 - .11
crushed, bls., bbls.....lb. .13 - .13½
cut, German, bls., bbls.....lb. No stocks
dom., bbls.....lb. .17 - .18
powd., bbls.....lb. .16 - .17
Soda, acetate, anhyd., dms., dlvd., lb. .08¼- .10
flake, gran., powd., 60% dms., c.l., dlvd..lb. .04 - .04¼
l.c.l., dlvd..lb. .04¾- .05
90% dms., c.l., dlvd.....lb. .06 - .06½
l.c.l., dlvd.....lb. .06¾- .07
Alginate, dms., bbls., works...lb. .39 - .70
Antimoniate, bbls., dlvd.....lb. .14 - .14½
Arsenate, dms., dealers, c.l., works..lb. .07½- —
l.c.l., dms., works.....lb. .08¾- .09¼
Arsenite, dry, gray, dms., c.l., dealers, works..lb. .06¼- —
l.c.l., dms., works.....lb. .07 - .07½
white, dms., c.l., dealers, works..lb. .07¼- —
l.c.l., dms., works.....lb. .08 - .08½
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2.....100 lbs. 2.28 - —
3.....100 lbs. 2.53 - —
4.....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
Soda ash, dense, 58%, bulk, c.l., works..100 lbs. .95 - —
extra light, 58%, bgs., c.l., 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2.....100 lbs. 2.23 - —
3.....100 lbs. 2.48 - —
4.....100 lbs. 2.88 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. — - —
2.....100 lbs. 2.60 - —
3.....100 lbs. 2.85 - —
4.....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2.....100 lbs. 2.23 - —
3.....100 lbs. 2.48 - —
4.....100 lbs. 2.88 - —
bbls., c.l., works...100 lbs. 1.35 - —
bbls., l.c.l., Zone 1..100 lbs. 2.35 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 98° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 98° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyo.

Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., fib., 4,000 lbs. or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - 1.60
l.c.l. .....100 lbs. 1.90 - 1.95
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
powd., bbls., c.l., works... 100 lbs. 1.85 - —
l.c.l., dlvd., N.Y..100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd., N.Y..100 lbs. 2.76 - —
Bichromate, spot, c.l., works, lb. .06⅞- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks. or 9 bbls. or less, works..lb. .07¼- —
Bifluoride, bbls.....lb. .11½- .12
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
33 deg., bbls., c.l., works... 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
35 deg., bbls., c.l., works, 100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.65 - —
44 deg., bbls., works..100 lbs. 1.55 - —
l.c.l., bbls., works..100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
fiber dms., 100 lbs.....lb. .28 - —
Cacodylate, 1-kilo bots.....lb. No prices
Carbonate (see Soda ash, soda monohydrated, soda sal).
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.53 - 4.90
2.....100 lbs. 3.70 - 5.05
3.....100 lbs. 3.95 - 5.30
4.....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works..... 100 lbs. 1.93 - —
70%, buyers' tanks, works, 100 lbs. 1.97½- —
sellers' tanks, works..... 100 lbs. 2.00 - —
solid, 76% ammon. process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2.....100 lbs. 3.30 - —
3.....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —

Soda, caustic, solid, electro process, dms., l.c.l., same zone prices as ammon. process. Caustic soda, l.c.l., prices are on the same basis as those for soda ash. The sales zones are also the same.

Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l. works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate, spot, c.l., works..lb. .08¼- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .08⅝- —
Citrate, USP VIII, 225-lb. bbls., lb. .18½- —
cns., 50-lb. lots.....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
kgs., 100-lb. lots.....lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .25 - —
powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
imports, 90%, cs.....lb. No prices
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —
Soda fluoride, white, 90%, bbls., c.l., frt. alld..lb. .07 - —
l.c.l., 10 or over, same basis..lb. .07½- —
1-9, same basis.....lb. .08 - —
95%, bbls., c.l., same basis.lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07⅝- —
1-9, same basis.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
powd., bbls., 1,000-lb. lots..lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.55 - —
Hydrosulphite, dms.....lb. .17 - .18
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots..lb. .22 - .24
Hypophosphite, N. F., cns., 100-lb. lots..lb. .67 - —
Hyposulphite, cryst., large, bgs., works, frt. equal'd..100 lbs. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equal'd..100 lbs. 2.50 - —
" bbls., same basis...100 lbs. 2.70 - —
pea, bgs., c.l., works...100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
dms., works.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., works..100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
dms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., works, 100 lbs. 3.10 - 3.25
bbls., works.....100 lbs. 3.30 - 3.55
dms., works.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
dms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.49 - —
Iodide, jars.....lb. 2.42 - —
bots. .....lb. 2.53 - 2.57
Mandelate, dms., 100-lb. dms.lb. 3.25 - —
Metanilate, bgs.....lb. .41 Nom.
Metasilicate, anhyd., dms., c.l., works, frt. equald..100 lbs. 3.75 - —
15 dms. and over, dlvd. N.Y..100 lbs. 4.65 - —
3-14 dms., same basis... 100 lbs. 4.80 - —
1-2 dms., same basis... 100 lbs. 5.05 - —
gran., bbls., c.l., works...lb. 2.35 - —
10 bbls. and over, dlvd., N.Y..lb. 3.10 - —
1-9 bbls., dlvd. N.Y.....lb. 3.35 - —
Molybdate, kgs., works.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., dlvd., f.o.b. cars producing points or ports, rail or boat shipment.ton.29.40 - —
200-lb. bgs., same basis.. ton.28.70 - —
bulk, same basis.....ton.27.00 - —
rfd., gran., bbls., 10-ton.... 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons.100 lbs. 5.50 - —
1-9 tons.....100 lbs. 5.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized..lb. .06⅝- —
c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11½
Soda nitrite l.c.l. prices range represents delivery at various points.
Orthosilicate, anhy., dms., c.l., works, frt. equal'd..lb. 4.50 - —
15 dms. and over, same basis..lb. 5.45 - —
3-14 dms., same basis..lb. 5.60 - —
1- 2 dms., same basis..lb. 5.85 - —
flake, dms., c.l., works.. 100 lbs. 3.00 - —
Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .10 - .11
Perborate, NF, bbls., c.l., works, lb. .14⅝- —
l.c.l., works.....lb. .15¼- —
Pentachlorphenate briquets, single bgs., works...lb. .28 - —
70 lbs., bgs., works.....lb. .19½- —
490 lbs. bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 5.15 - 5.40
l.c.l., works.....100 lbs. 6.10 - 6.35
bbls., c.l., works...100 lbs. 5.35 - 5.60
l.c.l., works.....100 lbs. 6.30 - 6.55
cryst., tech., bgs., c.l., works, 100 lbs. 2.10 - 2.20
l.c.l., works.....100 lbs. 2.50 - 2.60
bbls., c.l., works...100 lbs. 2.30 - 2.40
l.c.l., works.....100 lbs. 2.70 - 2.80
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....10 lbs. 8.00 - —
bbls., c.l., works...100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
tribasic, bgs., c.l., works..lb. 2.25 - 2.35
l.c.l., works.....100 lbs. 2.65 - 2.75
bbls., c.l., works...100 lbs. 2.45 - 2.55
l.c.l., works.....100 lbs. 2.85 - 2.95
kegs, c.l., works...100 lbs. 2.95 - 3.05
l.c.l., works.....100 lbs. 3.35 - 3.45
USP (dibasic), bbls., works, lb. .09 - .11
dried, bbls., dms., works..lb. .11½- .14
Picramate, kgs.....lb. .85 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .10¼- —
contracts .....lb. .09¼- —
smaller lots.....lb. .10¾- —
contracts .....lb. .09¾- —
Pyrophosphate, anhyd., bgs., c.l., works, frt., equal'd..100 lbs. 5.10 - —
l.c.l., same basis..100 lbs. 5.35 - 5.60
bbls., c.l., works, frt. equalized..100 lbs. 5.30 - —
l.c.l., same basis...100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal., bgs., dlvd. N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....lb. 1.10 - 1.30
Salicylate, bxs.....lb. .92 - —
Sesquicarbonate, bgs., c.l., works, 100 lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
l.c.l., Zone 1....100 lbs. 2.70 - —
2.....100 lbs. 2.85 - —
3.....100 lbs. 3.10 - —
4.....100 lbs. 3.80 - —
Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same

Saltpeter—Sulphonmethane

Soda, sesquisilicate, dms., c.l., works..100 lbs. 2.90 - —
10 dms. or over, dlvd. N.Y.C., 100 lbs. 4.00 - —
1-9 dms.....100 lbs. 4.25 - —
Silicate, 40° turbid, dms., c.l., works....100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works.....100 lbs. 1.80 - —
Silicofluoride, dom., bbls.....lb. .09¾- .11
Stannate, dms.....lb. .33½- .36½
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works, 100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 4.00 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.50 - 2.55
powd., bbls., c.l.....100 lbs. 5.35 - —
l.c.l., 5 or more....100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, bbls., dms..lb. .27 - .31
Sulphocyanide, dms., cns....lb. .38 - .47
Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works..lb. .06½- —
l.c.l., works.....lb. .06 - —
single dm. lots, works....lb. .06 - —
tanks, works.....lb. .05½- —
Sulphoricinolate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, naphtha, dms., wks..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
high-flash, dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .26 - —
Sorbitol, com'l, dms., c.l., works, lb. .14¾- —
ton lots, contracts, works, lb. .13½- —
smaller lots, works.....lb. .15¾- —
Soybean meal, 41-44%, bgs...ton.32.20 - —
protein, bgs., c.l., works....lb. .11½- —
l.c.l., works.....lb. .11¾- .15
Sparteine sulphate, cns.....oz. 3.00 - 3.25
Spearmint leaves, bls.....lb. .30 - .31
Spikenard root, bls.....lb. .16 - .17
Spruce extract, reg., bbls., c.l., works..lb. .01¾- —
tanks, works.....lb. .01¼- —
powd., super, bgs., c.l., works, lb. .04 - —
super, bbls., c.l., works.....lb. .01¾- —
tanks, works.....lb. .01¼- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, red, powd.....lb. 1.25 - 1.30
White, bls.....lb. No prices
powd., bbls., bxs.....lb. No prices
St. ignatius beans, bgs.....lb. .43 - .44
St. John's Bread, edible, bls., lb. .15 - .20
inedible, bls.....lb. .09 - .10
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 3.00 - —
dlvd., N. Y.....100 lbs. 3.35 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 3.70 - —
dlvd., N. Y.....100 lbs. 3.45 - —
Potato, dom., bgs., c.l.....lb. .04½- —
l.c.l. .....lb. .05½- —
import, bgs.....lb. No price
Rice, bbls.....lb. .07½- .08¼
Sweetpotato, bgs.....lb. .06¼ Nom.
bbls. .....lb. .07 Nom.
Wheat, thick, boil, bgs.....lb. .06 - —
Starch, iodide, bots.....lb. 1.87 - —
Staveacre, seed, bgs.....lb. .35 - .40
Stearin, oleo, bbls.....lb. .07¼ Nom.
Stillingia root, bls.....lb. .07¼- .08
Stonecrop, bls.....lb. .07½- .08
Storax, cs.....lb. .75 - .80
Stramonium leaves, bls.....lb. .48 - .52
Strontium bromide, cns.....lb. .53 - .55
Carbonate, NF, IV, 250-lb. bbls..lb. No prices
tech., 99-100%, precip., bbls., lb. .25 Nom.
Chloride, tech., bbls.....lb. .22 - .26
Iodide, bots., 5 lbs.....lb. 3.06 - —
jars, 25 lbs.....lb. 3.00 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .06½- —
1-24 bbls. and over....lb. .06¾- —
Strophanthus seed, Kombe, bgs.lb. 3.75 - 4.00
Strolyl acetate, bots.....lb. 3.10 - 3.20
Strychnine, cryst., cns., 100-oz. lots..oz. .80 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .83 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .73 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .80 - —
powd., cns., 100-oz. lots..oz. .90 - —
Sucrose Octa-acetate, denat. grade, bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works.....lb. .40 - —
Sugar coloring, bbls.....gal. .75 - 1.65
Milk, bbls., c.l.....lb. .17 - —
l.c.l., 10 or over.....lb. .18 - —
less than 10.....lb. .18 - —
Sulfanilamide, 5 lbs., bots.....lb. 1.70 - —
fib. dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
25-lb. lots.....lb. 1.45 - —
Sulfapyridine, powd., for hospitals, 5-grain bots..bot. 1.25 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.90
Sulphonmethane, kgs.....lb. 5.25 - —

TITANIUM CALCIUM PIGMENT steps outdoors

...in the form of TITANOX-RC

(RUTILE CALCIUM PIGMENT)

This pigment represents the first fundamental improvement in tinting strength and hiding power in composite white pigments since the introduction of titanium pigments 20 years ago.

TITANOX-RC-HT

This is a new companion pigment to TITANOX-RC. It is for use in interior coatings as distinguished from TITANOX-RC which is especially adaptable to exterior enamels and house paints. TITANOX-RC-HT is whiter and brighter than the RC pigment with 40 to 50 points higher tinting strength. The titanium dioxide in these pigments has 20 to 30 per cent more tinting strength than the titanium dioxide in any other pigment. It is more stable and has a higher refractive index.

Send for samples of this unique pigment and for technical information.

TITANOX-RC is a *new* pigment—not just another variation of titanium dioxide, but a new pigment. It is one of the most highly chalk-resistant types of pigment ever produced, thereby making it suited to *exterior* coatings, both white and tinted. It has such low specific gravity and high tinting strength that it becomes the most economical white pigment ever produced on the basis of hiding and low volume cost.

TITANOX-RC has 90 to 100 points higher tinting strength than ordinary titanium calcium pigment which means at least 20 per cent more hiding at no extra cost.

TITANOX
THE WHEEL HORSE OF THE PAINT INDUSTRY
REG. U.S. PAT. OFF.

TITANOX
TRADE MARK

TITANIUM PIGMENT CORPORATION
SOLE SALES AGENT

111 Broadway, New York, N. Y.;
104 South Michigan Ave., Chicago, Ill.;
National Lead Co. (Pacific Coast Branch),
2240 24th Street, San Francisco, California.

Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton.18.00 - —
f.o.b. steamers, Gulf ports, contract..long ton.17.50 - —
Flowers, USP, bgs., c.l., mine, 100 lbs. 2.80 - —
l.c.l., mine.....100 lbs. 3.35 - —
bbls., c.l., mine.....100 lbs. 3.15 - —
l.c.l., mine.....100 lbs. 3.70 - —
Flour, comm'l., bgs., c.l., mine, 100 lbs. 1.40 - —
l.c.l., mine.....100 lbs. 1.95 - —
Refined, cast, bgs., c.l., mine, 100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 - —
heavy, USP, bgs., c.l., mine, 100 lbs. 2.35 - —
l.c.l., mine.....100 lbs. 2.90 - —
bbls., c.l., mine.....100 lbs. 2.70 - —
l.c.l., mine.....100 lbs. 3.25 - —
light, USP, bgs., c.l., mine, 100 lbs. 2.45 - —
l.c.l., mine.....100 lbs. 3.00 - —
bbls., c.l., mine.....100 lbs. 2.80 - —
l.c.l., mine.....100 lbs. 3.35 - —
lump, bgs., c.l., mine..100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 - —
bbls., c.l., mine.....100 lbs. 2.10 - —
l.c.l., mine.....100 lbs. 2.65 - —
roll, bgs., c.l., mine....100 lbs. 2.15 - —
l.c.l., mine.....100 lbs. 2.70 - —
bbls., c.l., mine.....100 lbs. 2.30 - —
l.c.l., mine.....100 lbs. 2.85 - —
Rubbermakers, comm'l, 99¼%, bgs., c.l. frt. alld..100 lbs. 2.00 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.85 - —
Chloride, 55-gal. dms., c.l...lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l.....lb. .08 - —
Dioxide, liquid, com'l, cyls., works..lb. .07 - .09
multi-unit, cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls., works..lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton. No prices
leaf, f.a.s.....ton. No prices
Extract, 42°, bbls.....lb. .06 - .06½
51°, bbls.....lb. .07 - .07½
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .10 - .12
Sunflower seed, Calif., large, bgs., lb. .06½- .07
medium, bgs.....lb. .06 - .06¼
poultry, Argentine.....lb. .04¾ Nom.
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto., ton. 8.50 - —
run-of-pile, basis 16%, bulk, same basis..ton. 8.00 - —
triple, 40-48%, a.p.a., bulk, fob. Balto..unit-ton. .68 - —

T

Talc, dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
3, bgs., c.l., mills.....ton.17.00 - —
N. Y., Abrous, 98-99%, 325 mesh, bgs., c.l., mills..ton.14.00 -16.00
l.c.l., mills.....ton.16.00 -18.00
98-99%, 325 mesh, c.l., mills, ton.15.00 -17.00
l.c.l., mills.....ton.17.00 -19.00
98-99½%, 325 mesh., bgs., c.l., mills..ton.15.25 -17.25
l.c.l., mills.....ton.17.25 -19.25
98-99½%, 325 mesh, bgs., l.c.l..ton.17.25 -19.25
99.85-99.95%, 325 mesh., bgs., c.l., mills..ton.17.00 -19.00
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, flake, type grd., bgs., c.l., mills..ton.21.00 - —
l.c.l. mills.....ton.24.50 - —
Vermont, bgs., c.l., mills.ton.14.00 - —
l.c.l. ex whse.....ton.25.00 - —
imp., Canad., bgs., c.l., mills, ton. No prices
French, high-grade, bgs., l.c.l., ex whse..ton. No prices
ordinary, bgs., c.l., ex dock, arrival..ton. No prices
l.c.l., ex whse.....ton. No prices
Italian, 1, bgs., ex dock, arrival..ton. No prices
ex whse.....ton. No prices
2, bgs. ex dock, arrival..ton. No prices
Tallow, extra, loose.....lb. .06½- —
special, loose.....lb. .06½- —
sulphonated, 35% (24% fat), dms., c.l..lb. .03½- —
l.c.l.....lb. .04½- —
50% (43% fat), dms., c.l..lb. .05½- —
l.c.l.....lb. .06½- —
50% (43% fat). dms., c.l..lb. .05½- —
l.c.l.....lb. .06½- —
Tamarind, No. 1, bbls.....lb. .06 - .07
kegs.....keg. 6.00 - 8.00
Tankage, fertilizer, animal, dom., grd., 9% ammon., 10% b.p.l., bulk, basis N.Y..unit-ton. 2.50 & .10
10-11% ammon., 15% b.p.l., bulk, basis Chi..unit-ton. 2.40 & .10
feeding, unground, 9-11% ammon., 15-20% b.p.l., bulk, basis N.Y...unit-ton. 2.60 - .10
high-grade, bulk, Chicago, unit-ton. 3.00 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports, January shipments, unit-ton. 2.75 & .10
Tansy leaves, bls.....lb. .22 - .28
Tapioca flour, bgs.....lb. .03½- .05
Tar acid oil, 15%, dms., c.l., works..gal. .22 - —
l.c.l., same basis.....gal. .24 - —
25%, dms., c.l., works....gal. .26 - —
l.c.l., same basis.....gal. .27 - —
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .27 - —
ports.....gal. .26 - —
l.c.l.....gal. .27 - —
tanks, dlvd. E. cities....gal. .21 - —
Tarragon herb, bgs.....lb. 1.10 Nom.
Tartar emetic, tech., fine gran. or powd., bbls., 5 or more. lb. .44¾- —
less than 5.....lb. .45 - —
USP, powd, bbls.....lb. .50 - —
Terebene, cns.....lb. .75 - .85
Terpinyl acetate, cns.....lb. .30 - .35
Terpin hydrate, bgs.....lb. .60 - .65
Terpineol, CP, cns.....lb. .26 - —
dms.....lb. .23 - —
alpha, denat. grade, dms., c.l., works, net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, bbls., wks..lb. .08 - .08½
Tetrachloroethyiene, CP, dms..lb. .31½- —
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .18 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 50% pure, bots., works..lb. 5.00 - 7.00
Theobromine, dms.....lb. 2.90 - 3.00
Sodiosalicylate, cns.....lb. 2.15 Nom.
dms.....lb. 1.95 Nom.
5-lb. bots.....lb. 2.31 - 2.36
Thiamine hydrochloride, cns.gram. .80 - .93
Thiocarbanilide, dms.....lb. .24 - —
Thorium, nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .60 - .62
Spanish, bls.....lb. .11½- .12
Thymol, dms., 100 lbs.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.45 - 1.50
Iodide, kgs., 50 lbs.....lb. 3.40 - —
25 lbs.....lb. 3.50 - —
Timbo root (see Cube root).
Tin, chloride (ous), anhyd.....lb. .48 - .48½
Crystals, bbls., bgs.....lb. .39 - .39½
Metal, Straits .....lb. .52¾- —
Oxide, bbls.....lb. No price
Tetrachloride, anhyd., bbls...lb. .26¾- .27
Titanium, dioxide, bgs., c.l., (20 tons)..lb. .12½- —
l.c.l., 5 tons, single delivery. lb. .13¾- —
1,000-9,999 lbs.....lb. .14 - —
50-999 lbs.....lb. .14½- —
under 50 lbs.....lb. .16½- —
bbls., c.l. (20 tons).....lb. .13¾- —
l.c.l., 5 tons, single delivery. lb. .14 - —
1,000-9,999 lbs.....lb. .14¼- —
50-999 lbs.....lb. .14½- —
non-chalking, bgs., c.l., (20 tons)..lb. .15½- —
l.c.l., 5 tons, single delivery. lb. .15¾- —
1,000-9,999 lbs.....lb. .16 - —
50-999 lbs.....lb. .16¼- —
under 50 lbs.....lb. .16½- —
bbls., c.l. (20 tons).....lb. .15¾- —
l.c.l., 5 tons, single delivery. lb. .16 - —
1,000-9,999 lbs.....lb. .16¼- —
50-999 lbs.....lb. .16½- —
chalk-resistant, bgs., c.l., (20 tons)..lb. .14 - —
l.c.l., 5 tons, single delivery. lb. .14¼- —
1,000-9,999 lbs.....lb. .14¼- —
50-999 lbs.....lb. .14¾- —
under 50 lbs.....lb. .17 - —
bbls., c.l. (20 tons).....lb. .14¼- —
l.c.l., 5 tons, single delivery. lb. .14½- —
1,000-9,999 lbs.....lb. .14¾- —
50-999 lbs.....lb. .15 - —
barium or magnesium base, bgs., c.l., (20 tons)..lb. .05½- —
l.c.l.....lb. .05¾- —
under 50 lbs.....lb. .06½- —
bbls., c.l. (20 tons).....lb. .05¾- —
l.c.l.....lb. .06 - —
calcium base, bgs., c.l. (20 tons) lb. .05½- —
l.c.l.....lb. .05¾- —
under 50 lbs.....lb. .06¼- —
bbls., c.l. (20 tons).....lb. .05½- —
l.c.l.....lb. .05¾- —
calcium-rutile base, bgs., c.l. (20 tons)..lb. .05½- —
l.c.l.....lb. .05¼- —
under 50 pounds.....lb. .06¼- —
bbls., c.l., (20 tons).....lb. .05½- —
l.c.l.....lb. .05¾- —

Carload prices are f.o.b. factories with actual freight paid. Less than carload prices are f.o.b. factories or ex warehouse with actual freight or trucking paid, except on the Pacific Coast, where they are f.o.b. warehouses.

Toluidin base, distilled, kgs.....lb. .96 - —
Tolu, balsam, cns.....lb. .85 - .90
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), 2° indus., dms., returnable..gal. .32 - —
tanks, E. of Omaha, frt. alld. gal. .27 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
1° nitration, dms., returnable. gal. .33½- —
tanks, E. of Omaha, frt. alld. gal. .28½- —
W. Coast, f.o.b. Minnequa, Colo..gal. .28¼- —
Tonga vine, F. bls.....lb. .65 - .70
root. bls.....lb. .65 - .70
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, Surinam, cs....lb. .70 - .85
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works. lb. .27 - —
Triamylamine, l.c.l., works....lb. .90 - —
Tributylamine, l.c.l., dms..... works..lb. .70 - —
Tributyl citrate, ton lots, 475-lb. dms..lb. .24 - —
smaller lots.....lb. .26 - —
Phosphate, dms., l.c.l., dlvd..lb. .42 - —
cns., works.....lb. .46 - .48
Trichlorobenzene, dms., c.l., frt. alld..lb. .07 - —
l.c.l., same basis.....lb. .07½- —
tanks .....lb. .06¾- —
Trichlorethylene, dms., c.l., works., frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis..lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, c.l., works, frt. alld. lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are f.t. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. c. d., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del.; Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. Dak., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N .M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., dlvd..lb. .40½- .51½
dms., c.l., dlvd.....lb. .34½- —
tech., dms.....lb. .22 - —
500 lbs., dms.....lb. .22½- —
less than 500 lbs.....lb. .25½- .36½
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.05 - —
Triethyl citrate, ton lots, 500-lb. dms..lb. .24 - —
smaller lots.....lb. .26 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms. dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works, ton.16.00 - —
once-grd., bgs., c.l., works.ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal powd., 99% dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem. grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .08 Nom.
Madras, bgs.....lb. .07¼- .07½
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .45¼- —
l.c.l., 10 ex dock.....gal. .47¼- —
5 ex dock.....gal. .49¼- —
wood, dest., dist., dms., c.l., dlvd. E. ports..gal. .35 - —
l.c.l.....gal. .36 - —
tanks, dlvd. E. cities.....gal. .30 - —
steam-dist., dms., c.l., dlvd.gal. .38 - —
l.c.l., dlvd.....gal. .41 - —
tanks, dlvd.....gal. .33 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, kgs.....lb. 2.65 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Searsport, Me., Norfolk, Wilmington, N. C., Charleston, Savannah, Jacksonville, Tampa, Pensacola, Mobile, Gulfport, New Orleans..ton.85.00 - —
5 tons, f.o.b. Baltimore, Boston, New York, Newark, Philadelphia, Wilmington, Del..ton.85.00 - —
smaller lots, f.o.b. Newark, New York, Philadelphia, ton.91.00 - —
any quantity, f.o.b. Belle, W. Va..ton.85.00 - —
import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., ship..ton. No prices
smaller lots, f.o.b. N. Y. whse..ton. No prices
pure, cs.....lb. .12 - —
Urea-ammonia, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl., Gulf ports.ton.57.46 - —
bags, same basis.....ton.59.40 - —
45% N., tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports. ton.121.58 - —
37% N. (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports..ton.127.00 - —
Uva ursi leaves, bls.....lb. .11 - .12

V

Valerian root, bls.....lb. 1.75 - 2.00
Valonia, beards, bgs., f.a.s...ton. No price
cups, bgs., f.a.s.....ton. No price
Vanadium pentoxide, C.P., bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb.10.00 Nom.
Mexican, tins.....lb. 9.00 - 9.50
cuts, tins.....lb. 8.25 - 8.75
South American, tins.....lb. 9.00 Nom.
Tahiti, tins.....lb. 5.75 Nom.
Oleoresin, bots.....lb.No quotations
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs.....lb. 1.75 - 2.00
Verdigris, bbls., kgs.....lb. .22 - .28
Vinyl acetate, cns, works....lb. .25 - —
dms., c.l., 30,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .40 - .41
tree .....lb. .19 - .22
Wattle bark, bgs., f.a.s.....ton.38.50 -40.50
Extract, solid, bgs.....lb. .04¼- .04¼
Wax, amorphous, group 3, at refineries: 160-165, amber.. lb. .15½- —
160-165, black.....lb. .14 - —
160-165, white.....lb. .26 - —
180-185, amber.....lb. .17½- —
180-185, black.....lb. .16 - —
180-185, white.....lb. .20 - —
Bayberry, import, bgs.....lb. .18 - .20
Bees, white, bleach, slabs, cs., lb. .38 - .40
cake, cs.....lb. .39 - .41
discs, cs.....lb. .40 - .42
yellow, crude, Africa, 10-bg. lb. .30 Nom.
1 bg.....lb. .30½ Nom.
Brazil, bgs., 5-ton lots.lb. .31 - .32
1 ton.....lb. .31½- .32½
500 lbs.....lb. .32 - .33
100 lbs.....lb. .32½- .33
refd., slabs, cs., lbs.....lb. .35 - .36
Candelilla, bgs, 1 ton.....lb. .20½- .21
jobbing lots.....lb. .21½- .21½
Carnauba, No. 3 chalky, bgs., 1 ton..lb. .57 - .58
5 bgs.....lb. .57½- .58
1 bg.....lb. .58 - .59
N. C., 2, bgs., 1 ton.....lb. .64 - .65
N. C., 3, bgs., 1 ton.....lb. .60 - .61
5 bgs.....lb. .60½- .61½
1 bg.....lb. .61 - .62
refined, bgs.....lb. .65 - .66
yellow, No. 1, bgs, ton....lb. .68 - .69
5 bgs.....lb. .68½- .69½
1 bg.....lb. .69 - .70
No. 2, bgs.....lb. .67 - .68
Ceresin, dom., 138°, 140° m.p., bgs., 1 ton..lb. .11 - .11¼
jobbing lots.....lb. .12 - .12½
150°-160° m.p., bgs., 1 ton..lb. .13 - .13½
jobbing lots.....lb. .14 - .14½
160° m.p., bgs., 1 ton.....lb. .14 - .14½
jobbing lots.....lb. .15 - .15½
Japan, cs.....lb. .16½- .17
Montan, bgs., c.l.....lb. No price
5 tons.....lb. No prices
less than 1 ton.....lb. No price
Ozokerite, hard, green congeal, p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices
snow-white, pure, 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .24 - .26
cakes, cs.....lb. .25 - .26

Sulphur—Yellow Ocher

White lead (see Lead, white).
White pine bark, rossed, bls..lb. .07 - .08
White precipitate, powd., dms., 50 lbs. or more..lb. 2.54 - —
Whiting, chalk, com'l, dry-grd., blp. bgs., c.l., works..ton.16.00 -20.00
l.c.l., works.....ton.18.00 -22.00
bbls., c.l., works.....ton.19.00 -24.00
l.c.l., works.....ton.21.00 -26.00
pap. bgs., c.l., works..ton.15.00 -18.00
l.c.l., works.....ton.17.00 -20.00
wet-grnd., blp. bgs., c.l., works..ton.18.50 -22.50
l.c.l., works.....ton.19.00 -23.00
bbls., c.l., works.....ton.21.00 -25.00
gilders, bolted, blp. bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.19.00 - —
bbls., c.l., works.....ton.20.00 -21.00
l.c.l., works.....ton.21.00 -22.00
pap. bgs., c.l., works..ton.17.00 -18.50
l.c.l., works.....ton.18.00 -19.00
extra bolted, blp. bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.21.00 - —
bbls., c.l., works.....ton.22.00 -27.00
l.c.l., works.....ton.23.00 -24.00
pap. bgs., c.l., works..ton.19.00 -20.50
l.c.l., works.....ton.20.00 -21.00
Paris white, blp. bgs., c.l., works, ton.19.00 - —
l.c.l., works.....ton.20.00 - —
bbls., c.l., works.....ton.22.50 -27.50
l.c.l., works.....ton.22.00 -28.00
pap. bgs., c.l., works..ton.19.66 -25.10
l.c.l., works.....ton.20.00 -26.50
Limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l., ton. 9.65 - —
200 mesh, paper bgs., c.l., same basis..ton. 8.60 - —
90% 200 mesh, paper bgs., c.l., same basis..ton. 6.25 - —
gilders, bgs. (extra), c.l., works, ton.11.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
wet-grd., limestone, gilders, extra, bgs., c.l., works, ton.12.50 - —
l.c.l., 8-20 tons, works.ton.13.50 - —
4-8 tons, works.....ton.14.50 - —
2-4 tons, works.....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
Precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works....ton.20.00 - —
smaller lots, works..ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .07 - .08
rossed, bls.....lb. .08 - .09
thin, natural, bls.....lb. .07 - .08
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bls.....lb. .13 - .14
Witch-hazel extract, dist., NF, tax extra, bbls..gal. .40 - .45
leaves, bls.....lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N.Y...ton.24.00 -25.00
80 mesh, same basis.....ton.26.00 -28.00
100 mesh, same basis.....ton.30.00 -32.00
import, 70 mesh, bgs., ex dock, ton. No prices
80 mesh, bgs., ex dock..ton. No prices
100 mesh, bgs., ex dock..ton. No prices
120 mesh, bgs., ex dock..ton. No prices
Wormseed, American, bgs.....lb. .07 - .09
Levant, bgs.....lb. No prices
Wormwood, bls.....lb. 1.00 - 1.10

X

Xylol (xylene), indus., dms., returnable, works..gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .26 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
10°, dms., returnable, works, gal. .34 - —
tanks, E. of Omaha, frt. alld. gal. .29 - —
8°, dms., returnable, works, gal. .41 - —
tanks, E. of Omaha, frt. alld. gal 29 - —
8°, dms., returnable, works.gal. .46 - —
tanks, E. of Omaha, frt alld. gal. .46 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.55
Yellow, arsenic sulphide, dom. bbls., f.o.b. New York..lb. .55 - —
bottles, same basis.....lb. .60 - .64
imp., bbls., same basis.....lb. .55 - —
Cadmium, CP, import., bxs..lb. 1.35 - 1.40
lithopone, all shades, bbls., l ton, works., frt. alld..lb. .50 - —
smaller lots, same basis..lb. .55 - —
kgs., ton lots, same basis, lb. .55 - —
smaller lots, same basis, lb. .60 - —
Sulphide, orange, bbls., works, lb. .75 - —
Chrome, CP, bbls., dlvd., No. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .13½- —
open order.....lb. .14½- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome..lb. 1.37 - —
primrose shade, bbls., same basis, chrome..lb. 1.75 - —
Mercury oxide (see M).
Ocher, Amer., golden A, bbls., works..lb. .06¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .05¾- —
yellow A, bbls., works....lb. .02¾- —
B, bbls., works.....lb. .02¾- —
C, bbls., works.....lb. .03 - —
D, bbls., works.....lb. .0195- —

—Continued on page 38

Oil, Paint and Drug Reporter

Founded October 18, 1871, by William O. Allison.

Published every Monday by Oil, Paint and Drug Publishing Company, Inc. Harry J. Schnell, President and Treasurer; Frank V. Baldwin, Vice-President; Daniel G. Bogert, Secretary. Address 59 John Street, New York, New York, U.S.A. Telephone REctor 2-9820. Cable Address Reporter New York.

Incorporating the Drug, Paint and Oil Trade, The New York Drug Bulletin, The Weekly Drug News, the New York Druggists' Price Current, The Soap Makers Journal, the Oil and Paint Review and International Petroleum Reporter.

Subscription rates including postage in the United States, possessions and territories, one year, $5.00; two years, $8.00; Canada and Newfoundland, one year, $7.00; two years, $12.00; other foreign countries, one year, $10.00; two years, $18.00.

Member—Audit Bureau of Circulations.

Entered at the Post Office at New York as second-class matter January 15, 1884, under the act of March 3, 1879.

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Vol. 139 March 24, 1941 Number 12

Bureaucratic Piracy

In its purpose to devote to common use the trademark designations of medicinal chemicals which it determines to be habit-forming derivatives in accordance with the food, drug, and cosmetic act, the Food and Drug Administration would commit by authorization multiple acts of trademark piracy. Its contention that the purposed regulatory use of a trademark would assure the owner a monopoly in the product even beyond the period of its patent would not stand the test of commercial practice. Either a competitor, then with full right to make the product, would have equal right to use its common name—regulatorily determined to be the trademark—or he could rely on the courts to compel the Federal Security Commissioner to permit him to call his product by its chemical name or by any fanciful name that he might choose. The purpose of the F.D.A. regulation aggravates the evils of the product patent—in contradistinction to the process patent for chemical compounds—which have been vigorously assailed for years.

There is no specific service of the public in the purposed confiscation of drug trademarks for common use. It is true that the public might know, for example, the methylethyl ether of barbituric acid as mebartal and never have heard of its lengthy chemical name. But, by whatsoever name it might be sold, it would statutorily be habit-forming under an official determination designating it by its chemical name—and the fact that it is habit-forming is all that the law is intended to tell the public and all that the public needs to know. The hazard of the drug, if any there be, lies not in its name but in its pharmacodynamic properties. The law would be satisfied; the public would be fully protected by a ruling which declares the methylethyl ether of barbituric acid to be a habit-forming chemical derivative.

It is impossible logically to explain the Food and Drug Administration's about-face with reference to the common name of a drug, or to perceive in respect thereof any public necessity, or even administrative expediency.

It Is Not the Law

Because he now has the authority to make regulations which the food, drug and cosmetic act conferred upon the Secretary of Agriculture, final determination of the official common name of a habit-forming derivative drug rests with the Federal Security Commissioner. The Food and Drug Administration's suggested determination would appear to present its superior officer, the commissioner, with a difficulty in reconciliation; because that official, speaking a few days ago at the DCAT banquet in New York, expressed the following sentiment:—

> To comply with the specifications laid down by the courts and the very detailed directions in the statute itself, the Food and Drug Administration must proceed with extreme deliberation and care to guarantee that the regulations when finally promulgated shall be fair to all concerned and capable of withstanding the test of court review.

The purposed confiscation of trademarks is not "fair to all concerned"; nor is it likely to prove "capable of withstanding the test of court review," because the vested rights which it would invalidate are something far more substantial than those so-called "vested rights" frequently adduced in opposition to regulatory legislation.

It adds nothing to the possible validity of such confiscation that the subsection of the food, drug, and cosmetic act under which it is purposed makes no provision for administrative determination of common names. It is also assumable that the legalistic experience of the Federal Security Commissioner would assure his avoidance of an attempt to confiscate a trademark as a common name under the succeeding subsection.

—O-P-D—

Dealing with Defense Labor

Competent, impartial observers have characterized two things as the most dangerous bottlenecks in connection with the national defense program. One of these is the public apathy or worse toward the necessities of defense; the other is the failure of management and labor to avoid dissentions.

It is doubtful that anything short of war would or could engender public sentiment blending reason, emotion, and will in optimum proportions with respect to the defense program and to a degree adequate to its completely satisfying operation. It must be recognized that, until such public sentiment becomes prevalent and controlling, the avoidance and even the settlement of dissentions between management and labor presents a great and serious difficulty.

It has taken more than a little labor trouble to bring the labor-friendly Federal administration to the point of endeavoring to remove this bottleneck of the defense program. But, the eventual step of the past week—the creation of a board of mediation—is so much to be preferred to some of earlier suggestion that the delay may have been a blessing in disguise. This is devoutly to be wished, and it is to be hoped that the functioning of the board may be all that the caliber of its members justifies as expectable. All parties of interest must be encouraged and assured by the selection as one of the representatives of management of a man who has an enviable, national reputation for ability and success in the field of industrial relations.

There is still evident in Congress and in the legislatures of several States a sentiment in favor of the statutorily outlawing of strikes in defense work. This idea has some favor in managerial quarters and has been advocated within certain bounds by a subcommittee of the National Association of Manufacturers. It is at best doubtful if that method would be effective; there is a greater probability that it would aggravate the troubles now experienced, because these are largely attributable to inexperience or recalcitrance on the part of leaders of labor and individual management.

Not all labor troubles in defense industries are of this origin, however. Some are the result of agitation directed against the defense program as a national policy. There are available sufficient laws for dealing with such subversive activities, and it would do more harm than good to penalize the striking dupes while permitting the instigators to remain at large. The biggest job for the defense labor mediation board is the diagnosing of labor troubles, and the turning over of malignant afflictions to the Department of Justice or the War Department for major operations.

—O-P-D—

Painting Trade Is Patriotic

The field of painting, especially in the New York and some other metropolitan areas, has not in recent years been marked by harmonious relations between employers and employees. There have been numerous strikes, and not always have these been free from the taint of individual ambitions or irrelevant ideas. It is, therefore, all the more notable that the association of painting contractors and the brotherhood of journeymen painters have entered into an agreement that every possible effort will be made to prevent disruption or even interruption of defense work by dissention on their part.

The employer and employee groups in the painting trade recognize that defense work will go on in spite of handicaps which they might lay on its progress. They appreciate that the government has a legal right to conscript their services and to commandeer their materials and equipment. They know that the army can be used to guarantee a citizen's right to work. They realize that "revolution" (euphemism for treason) would be a losing game. They manifest a belief in reason and a reliance on common sense.

It is easy—and quite natural—to ask why other employer-employee groups have not manifested a harmonious attitude toward their relations in connection with work of defense. It is not easy—although it is commonly attempted—correctly to lay the blame for their failure to "beat the gun" on governmentally compelled mediation—or worse. The benefits of mediation in settling dissentions have long been preached and clearly been evident. The preference of industrial tribunals over governmental boards should be obvious—and it must be recognized that railroading, wherein mediation is effectively employed, is subject to more than a little governmental control, and is liable to more.

The painting trade is wise in its efforts to mitigate employer-employee dissention. It is to be hoped that its experience will be such as clearly to prove the desirability and beneficence of extending these to its normal activities.

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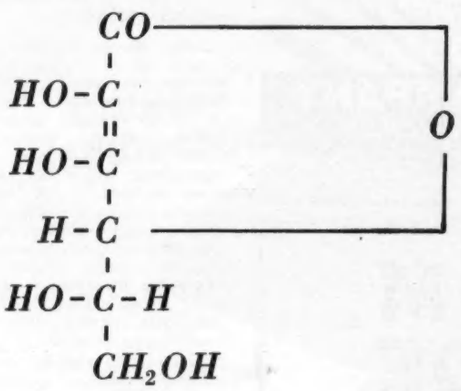

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Heavy Chemicals

Anhydrous Ammonia and Chlorine Placed on Critical List —Buying Movement Broad Under National Defense Program —Oxides of Copper Higher—Metal Derivatives Firm

A broad buying movement prevailed in the market for heavy chemicals last week. The defense program was keeping industrial activity at a high level, with durable goods especially active. Despite the fact that producers endeavored to discourage forward buying, it was apparent that orders were exceeding available supplies in many items. Shipments in several instances were running slightly behind. Apprehension concerning priorities was somewhat clarified by the issuance of a list by the government covering materials essential to the national defense. Prices for basic chemicals remained firm.

Anhydrous ammonia, chlorine, potash perchlorate, materials used in chemical warfare and explosives were specifically mentioned in a list issued by the priorities division of the Office of Production Management as critical items on which the Army and Navy field services may automatically assume priority rating. Aluminum, magnesium and nickel were also mentioned, but mandatory industry wide priority has already been established on these metals.

At least one new ammonia plant was expected to be completed next month for the government, and this will greatly help to relieve some of the tension, while another was nearing completion and would probably be operating by early summer. Chlorine likewise will benefit from the erection of new units which are well underway in various sections.

Price Changes

Advanced

Copper oxide, black, ½c. per lb.
red, commercial, ½c. per lb.
Potash metabisulphite, 2c. per lb.
Tin, Straits, ¾c. per lb.
tetrachloride, anhy., ¼c. per lb.

Reduced

Antimony, needle, Chinese, 2c. per lb.

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
158.2	158.2	158.2	150.6

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
101.6	101.6	101.6	101.6

Market news that may have developed after this report was sent to press will be found on page 4.

Alums.—Steady demand. Prices unchanged and firm. January exports 486,964 pounds, valued $52,587.

Alumina Sulphate.—Buying good and market position firm. January exports 5,288,293 pounds, valued $60,862.

Ammonia, Anhydrous. — Material placed on critical list which automatically may be assigned priority rating. January exports 674,996 pounds.

Ammonia, Aqua.—Offerings limited to regular sources. Prices firm.

Ammonia Bicarbonate.—Routine interest. Prices without change.

Ammonia Nitrate.—Active inquiry. Prices display firmness.

Ammonia Persulphate.—Steady buying for moderate quantities. No change in price.

Ammonia Silicofluoride. — Market position tight, offerings limited.

Ammonia Sulphide. — Shipments moderately active, and prices firm.

Ammoniac, Sal. — Withdrawals steady, and market retained its firmness. January imports 24,688 pounds, valued $2,198.

Antimony Oxide.—No further price adjustments, with tone about steady. Buying routine.

Antimony Sulphide.—Chinese offering at 22c. to 24c. per pound. No change in Bolivian. Interest light.

Arsenic. — White material moved steadily. Prices rule firm. January imports 1,254,588 pounds, valued $33,137.

Barium Salts.—Prices unchange and tone steady to firm. The carbonate, chloride and nitrate were in good call. January imports totaled 47,514 pounds, valued at $1,049.

Bleaching Powder.—Moderate withdrawals against contracts. Prices display firmness. January exports 53,319 pounds.

Calcium Acetate.—Prices firm, and buying fairly steady.

Calcium Chloride.—Seasonal conditions prolonged demand for ice control, while other demand remained satisfactory. Prices firm. January exports 3,562,540 pounds.

Carbon Bisulphide.—Steady movement. Prices firm. January exports 360,079 pounds, valued $18,592.

Carbon Tetrachloride. — Shipments and production well balanced. Prices firm. January exports 308,748 pounds, valued $17,400.

Chlorine.—Sellers pressed to make prompt deliveries. Prices unchanged and firm. January exports 774,800 pounds.

Cobalt Oxide.—Offerings restricted to regular accounts. Prices firm. January imports 17,850 pounds, valued $27,132.

Copper Salts.—Oxides of copper advanced ½c., making black 18½c. to 20c. per pound and red, commercial, 19c. to 21c. per pound. Prices for other derivatives firm and market position tight.

Copper Sulphate.—Business moved at good pace. Prices firm, and market strong. January exports 4,745,681 pounds, valued at $194,889.

Fluorspar.—Washed gravel and No. 2 lump ranged from $19 to $21 per ton, f.o.b. mines. Demand steady.

Glauber's Salt. — Market position firm, and shipments steady against contract.

Lead Acetate. — Dealings routine, with prices well sustained.

Lime. — Shipments good. Prices steady to firm.

Magnesite. — Demand exceeds domestic supplies, and offerings limited. Prices firm.

Manganese Dioxide. — Prices unchanged and firm. Business limited to contracts. Shipments of ore from Cuba increased substantially since first of year.

Nickel Salts.—Offerings limited, and shipments far behind.

Phosphorus.—Prices firm, with business confined to regular channels as a rule.

Potash Carbonate. — Good demand against contracts. Prices firm.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Purchasing Agents Ass'n, May 26-29, Chicago.
Insecticide, Disinfectant Mfrs., June 9-10, Chicago.

Potash, Caustic. — Market position firm, and buying steady. January exports 1,541,426 pounds, valued at $136,443.

Potash Chlorate.—Business confined to regular consumers. Outside interest small.

Potash Metabisulphite.—Material offered 2c. higher at 21c. per pound. Stocks limited.

Potash Perchlorate. — Steady movement to contract accounts. Prices firm. Material placed on critical list subject to automatic priority.

Potash Permanganate.—Supplies sufficient to meet regular consumer requirements. Prices firm.

Saltcake. — Domestic material well taken, and market position firm. January imports 1,755 tons.

Saltpeter.—Good demand, and business well ahead of year ago. Prices firm.

Soda Acetate. — Heavy withdrawals recently have strengthened market. One producer advanced prices for 60 and 90 percent material as announced previously. January exports, 308,748 pounds.

Soda Ash. — Commitments steady, and prices unchanged. January exports, 5,668,869 pounds.

Soda Bicarbonate.—Prices unchanged and firm. Buying routine. January exports, 2,544,425 pounds.

Soda Bisulphite.—Market firm, and inquiries fairly steady.

Soda, Caustic.—Good interest. Prices remain the same. January exports 13,451,768 pounds.

Soda Chlorate.—Business confined to regular accounts. Prices rule firm.

Soda Cyanide. — Shipments active. Prices unchanged and firm.

Soda Hydrosulphite. — Steady inquiry. Prices underwent no change. January exports 67,880 pounds.

Soda Nitrite.—Market firm and business good.

Soda Phosphate. — Major producer quoting higher prices established by one factor several weeks ago. Demand moderately active. January exports 859,532 pounds.

Soda Silicate.—Shipments moved at a steady pace, and prices well sustained. January exports 844,284 pounds.

Soda Silicofluoride.—Market position tight, with inquiries ahead of available domestic supplies.

Soda Stannate.—Price was held unchanged, but undertone remained firm. Demand steady.

Soda Sulphide.—Demand well maintained, and market position firm.

Strontium Salts.—Offerings limited, and market in strong position. Prices nominal.

Sulphur, Refined. — Buying moderately active, and prices rule firm.

Tin Salts.—Anhydrous tetrachloride of tin advanced ¼c., ranging from 26¾c. to 27c. per pound. Other tin derivatives held unchanged and firm. Straits metal was quoted at 52¾c. per pound.

Uranium Oxide.—Small lots made up the call. January imports 46,056 pounds.

Zinc Chloride.—Steady withdrawals against contracts. Market firm.

Acids

A tighter situation prevailed for certain materials in the market for mineral acids last week. Some sellers report demand for muriatic has placed the market in a firmer position. It was difficult to obtain large quantities of glacial acetic. Oxalic was offered in limited quantities. Chromic, formic, lactic, nitric and sulphuric moved in good quantities against contracts. Prices displayed no change, but tone was firm.

Acetic.—Glacial in short supply, other grades move well. Prices firm. January exports 408,033 pounds.

Acetic Anhydride.—Good demand. Market firm.

Chromic.—Shipments steady. Prices unchanged and firm. January exports 42,540 pounds.

Formic.—Inquiries and shipments well sustained, and market was firm.

Gallic.—Buying narrow. No change in prices.

Hydrofluoric. — Moderate interest. Quotations lack change.

Lactic.—Commitments steady. Quotations remain firm.

Muriatic.—Some sellers report a

—Continued on page 28

Turner to Sell Phosphorus Compounds for Ohio-Apex

Joseph Turner & Co., manufacturers' agent, Ridgefield, N. J., has been appointed sales agent for the phosphorus compounds of the Ohio-Apex Company, Nitro, W. Va. Details of the sales agency arrangement were worked out by Walter D. Merrill, head of Joseph Turner & Co., and Bernard Jacobson, general manager of Ohio-Apex.

Atlas Buys Keratol

The Atlas Powder Company, Wilmington, has purchased the business and assets of the Keratol Company, Newark, N. J. The business will be conducted under the name of Zapon-Keratol division of the Atlas Powder Company. The announcement stated that the merger of the two interests will result in a well rounded line, reaching practically every field in which pyroxylin or rubber-coated materials are used.

Harshaw Promotes Haney

Howard Haney, manager of the Pittsburgh office of the Harshaw Chemical Company, Cleveland, has been appointed division manager of the company branches at Pittsburgh and Cincinnati. Within a short time Mr. Haney expects to make his headquarters at the Cincinnati office. Paul Huntley has been appointed assistant manager of the Cincinnati office. Richard Brian has been appointed assistant manager of the Pittsburgh office.

Fungicides Trucking Rate N.Y.-Phila. Cancelled

OPD Washington Bureau
March 17, 1941

The Interstate Commerce Commission has ordered the cancellation of suspended schedules proposing a motor carrier rate of 30 cents per 100 pounds between New York and Philadelphia on wettable sulphur, lime-sulphur, sulphuric disinfectants, and pinetar tincture, on the grounds that the rate is unreasonably low, and therefore unlawful.

Robert Gair Company, container manufacturers, this city, note holders, totaling $7,000 face value, have instituted suit in Boston to enjoin the company from consummating a plan of recapitalization approved by stockholders February 28.

Trade Briefs

Reynolds Metals Company has selected a 400-acre site at Longview, Wash., for construction of an ingot aluminum plant to use power from the Bonneville-Grand Coulee dams.

Applied Research Laboratories, Los Angeles, Calif., is building a new office building at 4336 San Fernando road, Glendale, Calif., at an approximate cost of $11,000.

Container Corporation of America, Chicago, has filed a statement with the Securities and Exchange Commission covering 50,000 shares of no par value cumulative preferred stock.

Defense Plant Corporation has arranged to purchase the powder plant being constructed in Memphis, Tenn., for the British government and which was to be operated by E. I. du Pont de Nemours & Co., Wilmington.

William D. Neuberg, who has relinquished his active participation in the business of the Neuberg Chemical Corporation, this city, has opened offices in the Graybar building, this city, as a manufacturers' agent and distributor of chemicals. His telephone number is Murray Hill 5-9424.

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Heavy Chemicals

Acids

—Continued from page 27

tighter situation, and prices held firm. January exports 441,389 pounds.

Nitric.—Steady inquiry and shipments good. Prices unchanged. January exports 373,553 pounds.

Oxalic.—Market position continued tight, with offerings limited. Prices firm.

Phosphoric.—Good interest. Prices without alteration.

Sulphuric.—Buying steady against contracts. Prices rule unchanged and firm. January production 221,788 tons, against 223,131 in December and 235,023 tons in January, 1940. January exports 256,098 pounds.

Baltimore, March 19.—The market for sulphuric acid remains unchanged as to general conditions, and the current quotations still stand at $12 per ton or 60 degrees and at $15 per ton for 66 degrees. Oleum also is without any modifications, with the buying done nominally at $17 per ton for 20 percent supplies.

Insecticides

Inquiries were moderate from jobbing and dealers channels last week. Sellers were marking time, awaiting active consuming period. Recent cold and inclement weather in many sections was expected to delay matters to some extent. Export business was only moderate. Prices held at the same levels, and a steady to firm tone was in evidence.

Calcium Arsenate. — Moderate inquiry from dealers. Prices held the same.

Lead Arsenate.—Prices underwent no change. Business lacked broadening.

Paradichlorobenzene.—A better interest was noted from dealers and jobbing channels. Prices without change.

Borden, Lilly Medals Awarded by A.C.S.

—Continued from page 4

"brilliant work on isotopes as tracers in chemical reactions," the citation declares. The medalist will talk on the "Application of Stable Isotopes to Biological Chemistry," before the society's division of biological chemistry on April 8.

Dr. Hudson, who last year won the Theodore William Richards Medal of the Northeastern section of the American Society for conspicuous achievement in carbohydrate chemistry, has devoted his entire career to sugar chemistry, having published his first scientific paper, on the mutarotation of milk sugar, in 1903 at the age of twenty-two. He has developed valuable methods for estimating the amount of cane sugar in solution and for concentrating the yeast enzyme invertase, which acts on cane sugar to change some of its properties.

Dr. Rittenberg was born in New York, November 11, 1906, and received the bachelor of science degree from the College of the City of New York in 1929. He carried out research on super-refractories in the United States Bureau of Mines in 1930-1931. In 1934 he was awarded the Ph.D. degree by Columbia University. He was appointed instructor in the School of Medicine in 1936.

U.S. Sets Up Bureau To Train Control Chemists

St. Louis, Mar. 18, 1941

Serious trouble was encountered in the last war through lack of sufficient number of competent inspectors and control chemists. In order to overcome this during the present emergency, the United States Department of Education has formed the Bureau of Engineering Defense Training.

This bureau has provided a number of educational centers throughout the country at which students having at least two years engineering training can be given a twelve-weeks' course of study on explosives and ammunition. The students who successfully complete the course will be given a Civil Service rating, making them eligible for duty as inspectors and control chemists in the various munitions plants.

P.P.G. Pigment Salesmanager

Dr. A.E. Boss

Recently appointed manager of pigment sales for Columbia Chemical Division, Pittsburgh Plate Glass Company

Chemical Export Group To Hear U.S. Expert

—Continued from page 3

luncheon. The speaker will be James H. Edwards, chief of the Division of International Economy, United States Department of Commerce. Mr. Edwards is an expert in fundamentals of foreign commerce, especially experienced in Latin America. The calendar of his relevant activities is as follows:—

1899-1908—Chief of import division, traveling auditor, and supervising special agent, Philippine Customs Service.

1908-13—Deputy general receiver of Dominican customs at Santo Domingo.

1914-15—Private banking in Santo Domingo.

1916-20—Contado general de hacienda in charge of the Dominican treasury department and president of the claims commission.

1920-26—Representative of Irving National Bank in Havana, and associate in import and export businesses.

1926-29—Financial adviser to the government of Puerto Rico; comptroller-general of Ecuador, at Quito.

1929-34—General manager of an airline at Rio de Janeiro; technical adviser to the comptroller-general of Colombia; financial attache at United States embassy in Havana.

1934-36—Chief of the Latin-American division in the Office of Special Adviser to the President on Foreign Trade; director of the commercial department of the Export-Import Bank.

1937-39—Financial adviser to the government of Nicaragua; general manager of the National Bank of Nicaragua; member of the American Advisory Economic Mission to Venezuela.

Gulf Refining Company's New Orleans plant was damaged by $400,000 fire March 18.

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Priorities Div. Issues List of Critical Items

—Continued from page 5

Cotton linters.
Cranes.
Cylinders: chemical (portable); compressed gas or air.
Demustardizing equipment; chemical warfare.
Explosives, including chemical components.
Fire extinguishers: foam, carbon dioxide; tetrachloride.
First aid kits.
Flares.
Fuel: aviation; diesel, 50 cetene number and up.
Fuses and primers.
Gas: decontamination apparatus and equipment; masks.
Gases: chemical warfare.
Impregnite (I and S).
Lubricant: diesel engine, special "RPM-Delo" or equivalent.
Masks: gas; oxygen.
Magnesium and alloys: pig or fabricated.
Monel metal.
Neoprene.
Nickel: pig or fabricated.
Oil: castor and fuel (diesel 50 cetene and up).
Potassium perchlorate.
Pyrotechnics: service types.
Rubber, synthetic: rubber-like synthetic materials.
Smoke: toxic, and equipment for use.
Tin.
Toilet kits.
Tungsten, ferro tungsten and tungsten ore.
Vanadium and vanadium alloys.
Water purification unit.
Whetlerite.
Zinc.

Priority Objectives

Administration of priorities in OPM is organized in five sections:—(1) Minerals and metals; (2) chemicals; (3) commercial aircraft; (4) tools and equipment; (5) general products.

In explanation of its general purposes the priorities division says:—

The priorities division will seek to avoid the imposition of priorities wherever such imposition would needlessly conflict with civil and private activity, and insofar as possible, action will be withheld until an actual shortage in connection with defense requirements is imminent.

When it is necessary to delay delivery on any order as a result of a preference rating, the customer affected should be notified as soon as the delay becomes apparent.

Only a duly signed and authenticated preference rating certificate should be considered binding upon a manufacturer, but contracting officers should encourage manufacturers to indicate to their subcontractors and suppliers what rating would be extended to the work if a formal preference rating certificate were requested. This will enable the subcontractors to plan their work in such a way as to ease the readjustment which might come if and when a preference rating certificate is issued.

All departments and bureaus of the Federal government have agreed to the request of the President that if delivery of a government contract carrying a penalty clause is delayed in execution by reason of the application of priorities in favor of another contract, extension in time of such time of delivery may be authorized upon request of the contractor to the contracting officer.

Requests for further information should be directed to:—Director of Priorities, Officer of Production Management, New Social Security building, Washington, D. C.

Motor Carrier Helpers, Mechanics Under I.C.C.

—Continued from page 4

operation of interstate motor vehicles. Hearings were then held when the American Trucking Association petitioned the commission to determine the employes under its jurisdiction.

In deciding that of the five classes of employes engaged in the actual operation of motor vehicles, only drivers, mechanics, loaders and helpers come under its jurisdiction, whereas despatchers do not, the commission limited its authority to those employes who devote a substantial part of their time to activities directly affecting safety of operation.

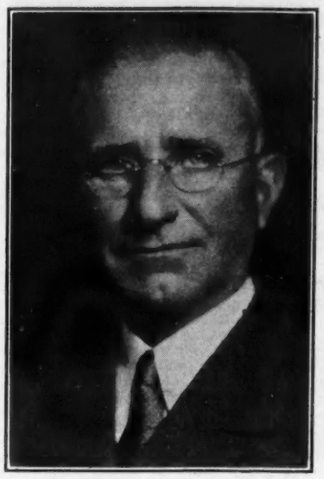
Importance of the decision was emphasized by the fact that the wage and hour act exempts from its overtime provisions those employes under Interstate Commerce Commission supervision.

Obituaries

Benedict F. Zimmer

Benedict F. Zimmer, vice-president and Western sales director for Fritzsche Brothers, essential oils and aromatic chemicals, this city, died in his home in Chicago March 16. He was sixty-three years of age.

Born in Chicago, Mr. Zimmer was educated at St. Bede's College, Peru, Ill. He joined the Fritzsche organi-



Blank & Stoller Photo

Benedict F. Zimmer

zation in 1901, and was placed in charge of the Chicago office in 1908. Following the company's incorporation in 1919, Mr. Zimmer was elected vice-president in charge of Western sales.

A former president of the Chicago Drug and Chemical Association, Mr. Zimmer had also been a member of the Chicago Perfumery, Soap and Extraction Association. He was a member of the Chicago Athletic Club, the Skokie Country Club, the Tam O' Shanter Country Club and the Monocqua Country Club, Minocqua, Wis.

Surviving are his wife, a daughter and a son, Benedict F. Zimmer, jr., Manhasset, L. I.

Clarkson A. Collins Jr.

Clarkson A. Collins, jr., president of the A. W. Harris Oil Company, Providence, R. I. and former salesmanager for the Rumford Chemical Company, Rumford, R. I., died March 14 in Providence after a short illness.

Prof. Louis A. Kahlenberg

Prof. Louis A. Kahlenberg, former head of the chemistry department at the University of Wisconsin, died in Sarasota, Fla., March 18. He was seventy-one years of age. Prof. Kahlenberg was appointed to the Wisconsin faculty in 1895 and was named professor of chemistry in 1907. He was chairman of the chemistry department from 1908 until 1919.

DuPont Sets Up Tax Fund

The principal reason for setting up a special reserve of $10,000,000 from the 1940 earnings of E. I. duPont de Nemours & Co., Wilmington, Del., was that the company could not be sure that the tax figures arrived at would continue unchanged or that there would be no retroactive legislation on taxes, stockholders were told last week. The stockholders approved the company's revised pension and retirement plan for employees, to be financed entirely by the company.

Schweitzer Buys Jersey Plant to Produce Paper

Peter J. Schweitzer, Inc., paper manufacturer, Newark, N. J., has purchased the fifty-two-acre industrial plant formerly owned by the American Salpa Corporation at Spotswood, N. J. The property is composed of a group of one and three-story steel and concrete manufacturing and warehouse buildings, having a total floor area of more than 300,000 square feet. The plant originally was said to have cost $3,000,000.

Ashton Lee

Ashton Lee, president and treasurer of the A. Lee Chemical Company, manufacturer of textile chemical specialties, Lawrence, Mass., died there March 19. He was fifty-seven years of age. Mr. Lee was a charter member of the Dry Salters Association.

L. H. Shearman

Lawrence H. Shearman, a director and retired vice-president of W. R. Grace & Co., this city, died March 14. He was seventy-five years of age.

Mr. Shearman started his career with the Grace organization in 1888 as an accountant. Nine years later he was sent to Peru, where, as manager of the Grace organization in that country, he extended its operations in sugar production and introduced many lines of American manufactures. He returned to New York in 1904. In 1906 Mr. Shearman became a vice-president of the company, holding that post until he retired in 1923.

T. B. Brown, New England manager for the Mexican Petroleum Corporation, died March 17.

Mrs. Francis E. Dodge, mother of Francis T. Dodge, president of the Dodge & Olcott Company and widow of the late Francis E. Dodge, for many years senior partner in the old firm of Dodge & Olcott, died March 19 at her home in this city. She was eighty-six years of age.

Clifford E. Kinney, sales supervisor for the Colgate-Palmolive-Peet Company in the metropolitan New York area, died in his home in Flushing, March 20. He was forty years old.

Orvid S. Fowler, formerly affiliated with the Price Flavoring Extract Company, Chicago, died in his home in Brooklyn, last week. He was seventy-six years of age.

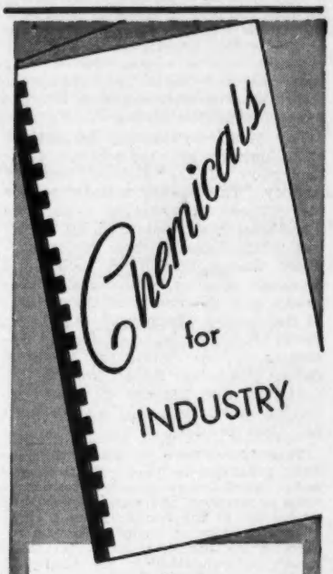
Col. Randolph E. B. McKenney, plant pathologist for the U. S. Department of Agriculture, died March 18. He was sixty-two years old.

William R. Oglesby, vice-president and chief chemist for the Carney Company and the Carney Rock-Wool Company, Mankato, Minn., died March 14. He was sixty-five years old.

William W. Tarbell, pioneer Pennsylvania oil producer and one of the organizers of the Pure Oil Company, died of pneumonia March 13 in Bridgeport, Conn. He was eighty years old.

Synthetic Rubber Discussed

An illustrated eight-page booklet on the new "Hycar" group of synethic rubbers, manufactured by the Hydrocarbon Chemical & Rubber Company, Akron, Ohio, is now available. The booklet is written in non-technical language. The booklet relates how the "Hycar" type synthetic rubber is handled like natural rubber, describes the physical characteristics of "Hycar O. R.," an oil resistant type of synthetic rubber, lists the comparative properties of "Hycar O. R." and natural rubber and pictures some of the steps in its manufacture. Copies may be obtained from the company by mentioning the REPORTER.



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Drug and Chemical Industry in Defense

—*Continued from page* 3

Security Agency came into existence on July 1, 1939, as the result of the President's first and second reorganization messages. From our inception, the Public Health Service has been one of our great component bureaus. On June 30, 1940, the President's four reorganization plan brought us the Food and Drug Administration as a sort of birthday present from the Department of Agriculture. One day later, the food, drug, and cosmetic act became completely effective, and so I can speak from first-hand knowledge of the entire administration of that measure. It is a measure of vast economic and social importance: a measure which presents some intriguing administrative problems.

The work of enforcing this act fits quite logically into the scheme of organization of the Federal Security Agency. This agency was set up for the purpose of grouping under one directional head those Federal activities which have as their major purposes the promotion of social and economic security, educational opportunity, and the health of the citizens of the nation. Perhaps I can do no better than take as a test for my discussion of this statute the words of Senate Committee Report No. 152, 75th Congress, first session, in which, referring to the food, drug, and cosmetic bill then pending, it was said:—

> This bill has been prepared with three basic principles in mind:—First, it must not weaken the existing law; second, it must strengthen and extend that law's protection of the consumer; and, third, it must impose on honest industrial enterprise no hardship which is unnecessary or unjustified in the public interest.

I am not unmindful of the difficulties which have confronted you in conforming with the requirements of this new statute. The Food and Drug Administration assures me that the majority of your industry has shown commendable diligence in meeting these requirements. Laws of this type are constructed for the control of minorities and it will be the duty of the Food and Drug Administration to involve the penalties of the statute against that minority which, because of carelessness, ignorance, or deliberate intent, fails to meet the law. It will continue to deal constructively with those manufacturers who in good faith are seeking advice as to how they may meet the literal requirements of the law.

Your problem, I recognize, would have been complex enough even in normal times. The difficulties of complying with this new law are immeasurably complicated in these unusual times by disrupted trade conditions, scarcity of raw materials, and the consequent necessity of making drastic alterations in formulas and processes. Fortunately the Food, Drug, and Cosmetic act is a statute of such flexibility that most of these emergency substitute products can be readily brought within the requirements of the law by the employment of the forms of labeling prescribed in the statute. Certainly it is axiomatic that our national defense program shall in no degree weaken the social defenses of our civilian population as they are set up in statutes like the Food, Drug, and Cosmetic act. Certainly accurate and informative labeling of substitute products is a necessary step. Only by that step can we be sure that when normal conditions are restored, products of normal and standard composition will again resume their proper place as articles of merit distinct from those which have temporarily taken their places. These steps give you assurance that the makeshifts of emergency shall not become permanent competitors for your rightful market.

Mutuality of Responsibilities

I am certain that farsighted members of your group clearly recognize that the food, drug, and cosmetic act, far from being a burden, will actually be a boon to the drug industry. For this act sets up an official yardstick for medicinal products and extends to the consuming public a guaranty of safety, purity, honesty, and quality that will go far in the direction of establishing public confidence. I grant that enforcement of the statute will inevitably eliminate articles without merit which are dependent upon dishonest representations to guarantee sale. I am convinced, however, that articles of this discription are in the minority and that their elimination will enhance the value of those products which are entitled to public esteem because of their inherent merit.

While I am acknowledging the problems of the industry in connection with the food, drug, and cosmetic act, let me invite similar sympathy on your part for the Food and Drug Administration and the Federal Security Agency. The new statute imposes upon the administration major responsibilities of an entirely novel character involving the establishment of regulations and definitions and standards. These responsibilities lie within the difficult field of administrative law. To comply with the specifications laid down by the courts and the very detailed directions in the statute itself, the Food and Drug Administration must proceed with extreme deliberation and care to guarantee that the regulations when finally promulgated shall be fair to all concerned and capable of withstanding the test of court reviews.

With its limited staff the administration has been struggling valiantly with its problems. For the Food and Drug Administration and for this agency, I ask your patience, sympathy, and cooperation. I assure you that it is our purpose to enforce this law with fairness to all concerned.

Latin American Relations

In one way, these rules of the game which we are working out together for the governance of the domestic market present a problem which arises in another form in foreign trade. I have already referred to the new importance the nations of this hemisphere assume in our national policy and in the future prospects of your industry. I have described how they may become sources of supply for raw materials and markets for our processed drugs. How well have we done our job in dealing with our southern neighbors in the past?

Some criticism has been directed in the past at the relations between United States business men and those of the Latin markets. It has sometimes been charged that American business men, who devote so much care and research to investigation of the consumer attitude for our domestic market, tend to inflict our ways of doing things upon people who have other ways which they like better. Thus, they lose business; their country loses friends. It is not only for your own interest but for your nation's interest as well that you have today a responsibility to examine the needs and the attitudes, the preferences, as well as the potentialities, of our gracious neighbors to the south.

That may mean new forms of products, new methods of obtaining raw materials, new methods of packing and labeling. It may mean for you and the nation new economic arrangements which will not place America at a disadvantage in dealing with the cut-throat barter tactics of the Axis. It means applying to international trade the standards our food and drug regulations demand at home. Reliability of our products will be the greatest guarantee of the future of our trade in the South. Perhaps "the wardens of the apothecaries" Dr. Parran recommended two years ago would be better able to deal with this problem than would any formal regulation. We can win that trade if, unlike Axis competitors, we will not operate on a confidence-game basis but will see to it that Uncle Sam and his nephews give value-received, reciprocity in every deal.

So far, I have talked to you as members of the drug, chemical and allied trades. You are business men whose work is vitally concerned with the defense of the nation and with its wellbeing in times of peace. But you are more than business men. You are American citizens. As American citizens, you exercise your franchise in determining the policies of the nation. As American citizens, you are interested in the what and why and how of national decisions in our democracy. So, I conclude with some brief description of the general policies which are guiding our work in the Federal Security Administration and guiding the broad decisions of the national administration itself.

Adapt the Available

Recently I was appointed coordinator of all health and welfare and related defense activities. "Coordinator" is one of those fine big words like "integration," which people in industrial management and government and education use these days and use so frequently that the very vocabulary is the object of banter. I think, in this case, it has meaning. There have been two philosophies about administering defense. One school of thought says:—

> Set up separate organizations. Create a new and separate staff to deal with defense.

The other school of thought says:—

> Why duplicate overhead? These are essentially normal problems. They are merely intensified by the pressure of defense. If America must be healthy for defense, America must also be healthy and vigorous to produce the most abundant life in peace. If recreational facilities and better nutrition are necessary now, so they are also necessary all the time. Let us use the existing facilities when we can. Let us use their research, their organization, their established connections. Don't duplicate overhead. Don't go through the inevitably slow process of creating a brand new administrative organization.

I hold the latter point of view. We have taken on a minimum of new personnel. To meet the special problems of migration, of industrial health, of transient workers and members of our military forces, we are seeking to draw together the facilities that now exist and to add only at those points where it is absolutely necessary.

We work with the public and private agencies now operating in the field and seek to advise them as to how they best do the needed job. There must be social protection for individuals and communities suffering disproportionate economic, social, or health burdens as a result of military or industrial defense activity. There must be a way for civilian agencies and individuals who are seeking to make an effective contribution to the health, welfare, and morale of men engaged in military service to know how their work relates to that of other agencies. We aim to eliminate waste, not to multiply bureaucracy.

The health, security and morale of the civilian population are an essential part of effective national defense, as anyone who has kept up with events abroad during the past eighteen months can well understand. During that time we have seen England under terrific fire. We have some practical data derived from observation. We know what a nation must have and what it can do without. Let us look for a few moments at the experience of Britain. At the outset of this terrible debacle the average Englishman had no conviction that his government could meet the challenge of concentrated air attack; that it could care for the thousands of casualities each night, Hitler talked about; that it could bury the thousands of dead. Britons were ready to face sacrifice. No people is ever ready to face uncertainty, confusion, and paralysis. This is a simple rule of mental hygiene for individuals as for the nations.

Then Britain organized. Britain found it could meet far more deadly destruction than was inflicted even at Coventry. Britain could handle any situation that arose. For morale there is nothing quite so reassuring as the ability to do more than is necessary.

Britain Extends Security

Britain has not jettisoned her measures of family economic security. Britain extended those measures. A personal injuries act was passed which paid benefit to civilian defense volunteers and to all gainfully employed injured by enemy action. After ten months of experiment Britain in July of 1940 revised the scale of these benefits upward. Disablement pensions are provided. Survivorship benefits, not dissimilar to those in our own social security program, are paid to widows, children, dependent parents, and even to dependent brothers and sisters. The machinery of British health protection has constituted a solid organization through which to administer protection for the families of men mobilized in the military and in the civilian services. Unemployment compensation, unemployment assistance, and workmen's compensation benefits have been increased. Health insurance has been extended, and the government has assumed an additional responsibility for that program.

Those are the international weather reports from Britain. They tell us that the welfare services are the third great line of defense. The military forces and British industry constitute the first two lines. But all the efforts of the military and of industry would go for naught if the essential services which made life endurable at home should ever break down.

So, if anyone should suggest to you that we have to choose—that we can either spend our money on planes and guns and munitions or else on health and other vital services—remember the story of Britain. In dealing with defense, America is fortunate that it began to set its house in order, to mend the rips and tears in the fabric of our national life before the war crisis came. The kind of a disorganized America, the kind of a bewildered and discontented and nervous America we had in 1932 would have been ill-equipped physically and psychologically to face this storm.

In the Federal Security Agency our concern is that of protecting the security of the family against loss of income through age and death and unemployment and destitution; against the loss of health and the ravages of disease. We protect that basic security of our future citizens which depends upon the security of basic American educational opportunities.

Through these measures, through every policy adopted in our agency, we are trying to build that kind of an America which every American can believe in and find worth defending. The basic measure of democracy is that it gives to every man a fair chance in life. We must have a firm mastery of our own resources if we are to give to every man a fair chance to a firm mastery of his own future.

Knight Wins Medal Of Chemists' Institute

—*Continued from page* 5

station and dean of Agriculture of the University of Wyoming, Oklahoma Agriculture College, and West Virginia University. He was also Honorable Fellow at Cornell University in 1921-1922. His published monographs include writings on qualitative analysis; research work on potable waters, effect of alkali upon seeds, food adulterations, Wyoming forage plants, soil nitrogen, wool, poisonous plants, the effect of alkali upon cement drainage experiments, digestion experiments and soil acidity.

Packaging Parley to Deal With Effects of Defense

—*Continued from page* 4

"The Economics of Packaging," by E. A. Throckmorton, of the Container Corporation of America, Chicago.

"The Permeability of Containers to Water Vapors," by Warren Emley, of the National Bureau of Standards, Washington, D. C.

"Display as a Factor in Package Merchandising," by W. L. Stensgaard, of W. L. Stensgaard & Associates, Inc., Chicago.

"The Standardization of Packaged Goods," by Alex Pisciotta, of the Bureau of Weights and Measures, New York.

"How the Warring Countries Have Met Their Packaging Problems," by I. M. Sieff, of Marks & Spencer, Ltd., London.

"Versatility in Gluing Mechanisms," by Dr. F. C. Campins, of National Starch Products, Inc., New York.

'Manual vs. Machine Operations as Cost Factors," by E. A. McElwain, of Johnson & Johnson, Chicago.

"Trends in the Use of Lumber in Shipping Containers," by R. W. Marquis, U. S. Forest Service, Washington.

"Packing and Shipping Specifications on Army and Navy Shipments," by A. W. Luhrs, Container Testing Laboratories, Inc., New York.

"Corrugated Board and Its Component Parts as Engineering Materials," by T. A. Carlson, Forest Products Laboratory, Madison, Wis.

Dyestuffs, Textile and Leather Chemicals

Tanners Corn Sugar, Dextrin and Starch Prices Advanced —Firmness in Gambier and Turmeric Reflect Shortages —January Exports of Tanning Extracts Off Sharply

Chemicals, sizing and tanning materials moved at a steady pace in the market for dyestuffs, textile and leather chemicals last week. Consumers were covering as far ahead as possible on imported items. However, it was becoming increasingly difficult to obtain any sizable quantities from the Far East and spot stocks were rapidly diminishing. The shipping space was further lessened by the establishment of priority for other strategic materials. Gambier, turmeric, nutgalls and myrobalans were in a tight position; future offerings were subject to shipping arrangements.

Corn derivatives advanced in sympathy with the firmer tone in the basic commodity. Bookings, however, were fairly heavy. Exports were also satisfactory with the United Kingdom a dominant factor. During January this year 16,000,000 pounds of corn starch was exported to England.

Exports of tanning extracts during January, 1941, totaled 2,960,962 pounds, a decline of nearly 50 percent from 5,768,089 pounds in January, 1940. Chestnut extract declined 64 percent to 1,237,417 pounds. Exports were principally to Canada, Portugal, Ireland, Mexico and Cuba.

The Commissioner of Price Stabilization of the National Defense Advisory Commission asserted that increases of one and one-half to two cents which have taken place in packer hide prices and hide futures since the middle of February appear to be speculative and not warranted by actual supply conditions.

Price Changes

Advanced

Corn, dextrin, 10c. per 100 lbs.
starch, 10c. per 100 lbs.
sugar, tanners, 10c. per 100 lbs
Gambier, common, ½c. per lb.
cubes, Singapore, ½c. per lb.
Turmeric, Alleppey, ¼c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
154.6	154.1	153.2	142.5

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Acetate.—Shipments moderate, and prices steady to firm.

Alumina Chloride.—Steady interest. Quotations rule firm.

Ammonia Acetate. — Transactions routine, and market firm.

Ammonia Bichromate.—Small lots continued to make up the call.

Antimony Salts.—New business light, and prices the same.

Chrome Acetate.—Prices unchanged and firm. Buying steady.

Potash Bichromate. — Shipments moderately active. Prices firm. January exports 533,233 pounds, valued $53,016.

Potash Prussiate.—Withdrawals of yellow routine. Prices without change.

Soda Bichromate. — Inquiries and shipments steady. Prices remain firm. January exports 3,375,965 pounds, valued $250,545.

Soda Prussiate.—Moderate demand, while prices retained their firmness.

Sulphonated Oils.—Steady to firm price tone. Buying fairly steady.

Zinc Dust.—Selling restricted to regular channels. Prices rule firm.

Dyestuffs

Annatto.—Trading narrow. Prices lacked any change. January imports 53,825 pounds, valued $1,683.

Cochineal. — Business conservative, and prices well maintained.

Fustic. — The call was routine. Prices without change.

Hypernic.—Steady to firm price tone. New business light.

Indigo.—Market dull. Prices without change and firm.

Logwood.—Purchases moderate, and prices display firmness. January extract exports 57,495 pounds, valued $11,225.

Madder Dutch. — Demand quiet. Prices held at same levels.

Turmeric. — Supplies of Alleppey limited and price nominal at 8c. per pound. No change in Madras. January imports 2,222 pounds.

Sizing Materials

Albumen, Blood.—Prices unchanged and tone firm. Buying steady.

Albumen, Egg. — Domestic prices without change, and demand good. Small lots of imported offered with price nominal. The FSCC has extended its egg buying program to the entire country.

Corn Sugar.—Various grades advanced 10c. per 100 pounds. Satisfactory demand. Visible supplies of corn increased 268,000 bushels in week ended March 15.

Dextrin Corn.—Prices lifted 10c. for all grades. Bookings good.

Dextrin Potato. — Domestic prices steady to firm, and inquiries moderately active.

Egg Yolk.—Prices remain firm, and business fairly steady.

Sago Flour.—Market position firm, and business well sustained.

Starch, Corn.—Market 10c. higher for all grades. Steady demand. Corn grind for February totaled 6,486,805 bushels, against 7,293,752 in January and 5,759,532 bushels in February, 1940, according to Corn Industries Research Foundation.

Starch, Potato.—Purchases moderate and steady. Prices unchanged.

Starch, Rice.—Inquiries and shipments steady. Prices without change.

Tapioca Flour.—Market firm and business moved steadily.

Tanning Materials

Chestnut Bark.—Shipments steady. Prices continued firm.

Cutch.—Prices firm, with next quarter contracts at higher basis announced previously.

Divi Divi.—Moderate inquiry. Prices lacked any change. January imports 1,321,158 pounds.

Gambier.—Prices ½c. higher for common at 7½c. to 8c. per pound; Singapore, cubes, 10c. to 10½c. per pound. Market tight, future replacements uncertain. January imports 360,203 pounds.

Hematine. — Routine call. Prices underwent no change.

Hemlock.—Steady inquiry against contracts. Prices rule firm.

Mangrove Bark.—Prices unaltered, and moderate demand, January imports 735,500 pounds.

Myrobalans.—Prices firm, with shipments difficult to arrange. January imports 22,400 pounds.

Nutgalls.—Trading dull. Prices unchanged. January imports 112,405 pounds.

Oakbark. — Withdrawals steady against contracts. Prices firm.

Quebracho.—Demand good. Prices remain firm. January imports 18,359,935 pounds.

Quercitron.—Routine call. Prices failed to change.

Wattle Bark. — Moderate interest. Prices unchanged.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Ault & Wiborg Launches Service League Program

The first annual Ault & Wiborg League dinner was held recently in Cincinnati at the Hotel Alms, with nearly 200 Ault & Wiborg employees from the Middle Western offices attending. Later, a second dinner was given at the Hotel Pennsylvania in New York for the Eastern personnel. The purpose of these dinners is to give recognition to employees with service records of five years or longer. A. C. Ransom, now head of the Ault & Wiborg Co. of Canada Limited, is the oldest employee in point of service, having been with the company for fifty-one years.

Sumner White, jr., secretary of Mutual Chemical Company, bichromate manufacturer, this city, is vacationing in Mexico city.

New Dyestuffs Offered

The General Dyestuff Corporation, manufacturer of dyestuffs and processing materials for the textile, leather and allied fields, has issued data on three new colors:—Dianil yellow 5GA, Celliton fast yellow GA, and Fastusol turquoise blue LGLA. Technical bulletins describing the new items may be obtained by communicating with the company, at 435 Hudson street, New York, mentioning the REPORTER.

National Oil Buys Building

Purchase of the six-story brick building adjoining the National Oil Products Company plant at Harrison, N. J., has been announced by Charles P. Gulick, president and chairman of the board. This marks the third expansion at the plant in the past year.

Goldhill Buys Newark Tannery

The Goldhill Company, this city, has purchased the former Cap Campbell Tannery, 15-23 New York avenue, Newark. The property, consisting of approximately 25,000 square feet, will be used for tannery purposes.

Celluloid Corp. to Be Merged With Celanese Corporation

Celanese Corporation of America will ask stockholders at the annual meeting April 9 to ratify a proposal for the merger of Celluloid Corporation, a subsidiary company, with the parent corporation. Stockholders of the Celluloid Corporation will vote on the proposal April 10. Merger of the two companies will be accomplished through the issuance of a new 5 percent preferred stock and additional common stock of the Celanese Corporation in exchange for common and preferred stock of the Celluloid Corporation. Assets of the combined companies will total $96,000,000.

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Short boiling ranges of desired temperatures permit quick completion of evaporation or drying processes and reduce loss of solvents in recovery operation. These are advantages which appeal to production engineers and chemists.

Comparative tests of Barrett Light Oil Distillates and other solvents reveal the desirable short boiling ranges, the even evaporation rates and the superior solvent power of these Barrett coal-tar solvents. They include Benzols, Toluols, Xylols, Solvent Naphtha and Hi-Flash Solvent with a wide range of initial and end points.

Write for our convenient specification chart and for complete information on Barrett coal-tar solvents. We will gladly cooperate with you in selecting the most suitable solvent or in developing special solvents for your purpose. Inquiries are invited.

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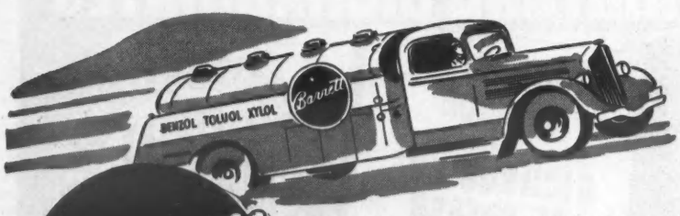

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Within a radius of 50 or 60 miles of 13 important industrial cities, Barrett Benzols, Toluols, Solvent Naphtha and Xylols are delivered direct to customers in express tank trucks. Ask us about this time-saving, money-saving service.

Coaltar Chemicals

Shipments Active With Many Products in Tight Position — Contract Prices for Second Quarter to Remain Firm —Sellers Requesting Prompt Return of Containers

Many products continued in a tight position in the market for coaltar chemicals last week. Inquiries and shipments were heavy. Producers were well booked ahead on current contracts, and were pressed at times to maintain all shipments without some slight delays. In several instances sellers were reminding consumers to return containers, since replacements were becoming more difficult. Export inquiries held at good levels. Prices on various basic products, coaltar acids, intermediates and colors will be carried into the second quarter at firm levels.

Output of toluol was finding a ready market in defense preparations and at times commercial consumers were confronted with the problem of obtaining suitable substitutes. Xylol demand has been sufficient to take care of all offerings. Benzol moved steadily. Buying of various cresols was active, and bookings were made far ahead. Domestic cresylic acid was in a firm position, and inquiries exceeded supplies. Crude and refined naphthalene were well taken. A heavy demand existed for phenol, and sellers were not accepting any new export business.

Coaltar acids particularly fumaric, maleic, picramic, picric and tobias were in good demand. Intermediates moved steadily and sellers were rejecting new business in items that production was limited to care for needs of regular contract accounts. Business in coaltar colors continued to run well ahead of a year ago, reflecting to a large extent the increased activity in textile mills and new export markets.

Price Changes

Advanced
None

Reduced
None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126.6	126.6	126.6	127.3

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—A steady to firm tone prevailed. Shipments moved steadily against contracts.

Carbazole. — Commitments routine. Prices underwent no change.

Coaltar.—Steady movement against contracts. Pricewise firm tone predominated.

Creosote Oil. — Major consumers made satisfactory replacements against contracts to keep market in favorable position. January imports 3,689,432 gallons, valued at $443,102, of which 3,324,785 gallons came from the United Kingdom.

Cresols. — Active demand, sellers booked well ahead against contracts. Prices unchanged and firm.

Cresylic Acid. — Market position tight for most grades of domestic, shipments from abroad irregular. Prices display firmness. January imports 119,109 gallons, valued at $53,960, of which 109,301 gallons came from the United Kingdom.

Naphthalene. — Demand good for crude and refined. Market in firm position. January imports 119,112 pounds, valued at $3,250, all from the United Kingdom.

Oil, Shingle Stain.—A fair inquiry prevailed, while prices held at previous levels.

Phenol.—Bookings continued heavy, and market was in a tight position. Offerings for export were negligible. Prices firm.

Pitch, Coaltar. — Transactions followed a routine course. Prices rule firm. January imports 2,320 gallons, all from the United Kingdom.

Pyridin.—Steady inquiry from regular consuming channels. Prices unchanged and tone firm.

Tar Acid Oils.—The call was moderate. No change disclosed in the quotations.

Toluol.—Demand active. Market position strong, and prices firm.

Xylol.—Business was sufficient to take care of all offerings. Prices remained firm.

Chicago Coaltar Bases

Coaltar bases are quiet but firm. Buying is adequate to maintain a firm tone. More interest is being displayed by buyers in such items as benzol and toluol. Inquiry also is reported to be at a good level. Ruling prices exclusive of tax are:—Benzol, 90 percent, 14c. to 15c. per gallon; motor benzol, 8½c. to 9c., nearby refineries; toluol, 27c.; 10-degree xylol, 26c.; solvent naphtha, 28c.; creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic. — Moderate interest with prices at previous levels.

Benzoic. — Routine withdrawals against contracts. Quotations unchanged.

Broenner's.—Usual consumers made necessary replacements as a rule.

Cleve's.—A fairly steady interest prevailed to keep market firm.

Fumaric.—Shipments moderately active and tone of market was firm.

Gamma.—Demand irregular while prices underwent no alteration.

H.—Market strictly a routine affair. Prices remain the same.

Laurent's.—Steady to firm price tone. Buying steady.

Maleic.—A good demand prevailed. Prices remain unchanged and tone firm.

Malic.—Takings were moderate. No change was disclosed in the quotations.

Picramic.—Spot and contracts buying well sustained. Prices firm.

Picric.—Inquiries and shipments good. Prices rule firm.

Salicylic.—Technical grade was bought moderately and prices lacked change.

Succinic.—Dealings routine. No new price developments.

Sulphanilic. — Purchases moderate and prices steady to firm.

Tobias.—The call was moderately active. Prices failed to change.

Other Intermediates

Alphanaphthol.—Steady call from regular channels. Prices firm.

Anilin.—Consumers made replacements fairly steady to keep position firm.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Insecticide, Disinfectant Mfrs., June 9-10, Chicago.

Anthraquinone.—Moderate buying was the rule and prices held unchanged.

Benzaldehyde.—Demand for technical well sustained. Prices unchanged and firm.

Benzidin Base.—Transactions routine. Prices display firmness.

Betanaphthol. — Usual consumers made their appearance steadily. Prices without change.

Betanaphthylamine.—Buying irregular. Prices held at previous levels.

Diethylanilin.—The call continued moderate and prices firm.

Dimethylanilin.—A good interest was manifest in the market. Prices rule firm.

Dinitrobenzene. — Buying steady against contracts. Prices unchanged.

Dinitrochlorobenzene. — Withdrawals moderately active and market firm.

Dinitronaphthalene.—Market position firm. Buying well sustained.

Dinitrophenol. — Demand lacked broadening, but prices held firm.

Dinitrotoluene. — Market position firm, and the call was steady.

Diphenyl.—Market routine. Prices underwent no change.

G. Salt.—Dealings strictly routine. Prices unchanged.

Metanitroparatoluidin. — Commitments conservative but steady. Prices remain the same.

Nitrobenzene. — Prices unchanged and firm. Withdrawals steady.

Nitronaphthalene. — Demand held at satisfactory levels and market was firm.

Orthoanisidin. — Good inquiry. Prices lacked any alteration.

Orthochloroanilin. — Steady to firm price tone. Business fairly steady.

Orthochlorophenol. — Purchases moderate, and prices without change.

Orthocresol.—A steady movement remained in evidence, and market was in a strong position.

Orthodichlorobenzene. — The call was moderately active, and prices failed to change.

—*Continued on page* 34

Dye Strength Standards Are Adopted

The following list of standards have been adopted under provisions of paragraph 28 of the tariff act of 1930:—

List of Standards

Standard No.	Class Index.	Name of standard.	Mfr.	Partial list of trade names of imported products commercially identical with each standard.	Mfr.
1 BZ	(D.a.)	Chloramine copper blue 4G	(S)		
2 BZ	(D)	Chlorantine fast violet RL	(J)		
3 BZ	(D.a.)	Diazo brown RWA	(J)		
4 BZ	(D)	Diazol light ruby NR	(CN)	Diphenyl fast blue red B	(G)
5 BZ	(A)	Fast blue LM	(S)		

Additional Dyes Corresponding to Dyes Already Adopted as Standards

Standard No.	Class Index.	Name of standard.	Mfr.	Partial list of trade names of imported products commercially identical with each standard.	Mfr.
44	(V)	Algol olive R	(By)	Sandothrene olive N2R	(S)
9 BQ	(D)	Direct light blue BV	(P)	Durazol blue 2GS	(I.C.I.)
783	(A)	Kiton fast red 4BL	(J)	Erio fast red 4BL	(G)

Change in Standard List

Chlorantine fast blue 3 GLL. (J) Listed under standard 182 is removed from the list.

Quaker Chemical Adds Baker, Scott to Staff

Edwin R. Baker has joined the Quaker Chemical Products Corporation, Conshohocken, Pa., to head the laboratory sales and service department serving the textile industry. He replaced G. H. Rhodes, who was placed in charge of the textile research and development department. The company also announced that R. E. Scott, former chief chemist for the Marlin-Rockwell Corporation, Jamestown, N. Y., has been added to the Northern Ohio territory sales force.

Tennessee Products to Expand By-Product Coke Plant

A contract for expansion of its coke and by-product plant at Chattanooga has been awarded by the Tennessee Products Corporation to the Wilputte Coke Oven Corporation, this city. Wilputte is a subsidiary of Semet-Solvay Company, a division of Allied Chemical & Dye Corporation.

The contract provides for the construction of nineteen Wilputte underjet by-product coke ovens of the latest type, together with necessary expansion of the associated by-product and benzol plants. The new ovens will have a yearly capacity of 130,000 tons of coke and will enable the Tennessee Products Corporation to supply additional coke to the Tennessee plant of the Aluminum Corporation of America.

Steel Barrel Output Up

Heavy-type steel barrel production in January amounted to 1,454,298, against 1,137,543 in January and 1,452,293 in December last year. Shipments in January amounted to 1,454,298, and stocks at the end of the month totaled 62,771. Production of light types totaled 256,465, against 248,220 in January, and 231,994 in December last year. Shipments in January amounted to 255,824, and stocks at the end of the month totaled 40,466.

Gypsum, Lime & Alabastine, Canada, Ltd., has sold its glue business to W. Harris & Co., Toronto.

Painter Registration Proposed in N.Y. State

Albany, Mar. 17, 1941

Mandatory registration for painting, decorating, or paperhanging contractors is proposed in the Bennett bill (A. 1744) pending before the ways and means committee of the assembly. The bill would require a registration fee of $10 and a fee of $5 for annual renewal.

The definitive application of the Bennett bill is as follows:—

On and after July 1, 1941, it shall be unlawful for any person to hold himself out as, or to engage in the business of painting, decorating and/or paperhanging, within this State, without first obtaining a certificate of registration as herein provided, unless such person is exempt by the provisions of this article.

Home-owners and householders, including farmers, shall not be deemed to be included within the provisions of this article, in their performance individually or by their permanent employees, on their home premises, of any labor or in the installation of themselves or by such permanent employees of any of the materials described in section 445 (a).

"Permanent employees," as used in this section, means and includes an employee who has been given regular and continuous employment for a period of not less than six months.

Paint Styling Program Planned By Fact-Finding Committee

Plans for future activity in paint styling were discussed at a meeting of the technical and fact-finding committee of the Council for Paint Styling held in Washington, D. C., recently in the headquarters of the National Paint, Varnish and Lacquer Association. Discussion centered on development of a project by which results of the council's surveys can be presented to group meetings of painting and decorating contractors. Surveys of color trends through cooperators throughout the country will be continued as in the past, it was reported.

TAR ACIDS

Phenol · Cresol Cresylic Acid

TAR ACID OILS

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Benzol (all grades) . . . Toluol (Industrial and Nitration) . . . Xylol (10° and Industrial) . . . Solvent Naphtha (Including High Flash) . . . Naphthalene . . . Shingle Stain Oil . . . Refined Tars . . . Pitch Coke . . . Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote

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Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Road Tar Materials . . . Bituminous Base Paints . . . Coal . . . Coke . . . Benzol Recovery Plants . . . Naphthalene Removal Apparatus . . . Sulphur Recovery Apparatus . . . Phenol Removal Apparatus . . . By-Product Recovery Apparatus Fast's Self-aligning Couplings . . . Piston Rings . . . Valves . . . Pressure-treated Lumber

PHENOL—All Standard grades such as 82% and 90% and 39° Melting Point Pure.

CRESOL—U.S.P. with very close cut distillation range and light color, for pharmaceutical purposes—Mesta-Para Cresol with high meta cresol content—Resin cresols close cut to wide boiling with guaranteed meta cresol contents and clean odor.

CRESYLIC ACID—Many distillation ranges appropriate for all established uses—pale color—clean odor—total impurities besides water not exceeding one half of one per cent.

TAR ACID OILS—Frozen crystal free at 0°C.—good emulsion-forming properties—low benzophenol content appropriate for low to high coefficiencies with tar acid contents as required.

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SOME TYPICAL USES:

SYNTHETIC RESINS
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SOLVENTS
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PERFUMES
PHOTOGRAPHIC DEVELOPERS
SOAP
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LACQUER
ANTI-OXIDANTS
OIL PURIFICATION
ANIMAL DIPS
INEXPENSIVE DISINFECTANTS
FLOTATION PROCESSES
INSECTICIDES

KOPPERS

Coaltar Chemicals

Other Intermediates

—*Continued from page* 33

Orthonitroanilin. — Shipments steady to regular consuming channels.

Orthonitrotoluene. — Inquiries and shipments remain moderate. Prices underwent no change.

Orthotoluidin.—Steady call. Prices retained their firmness.

Parachlorophenol. — Moderate interest. Prices lacked any change.

Paranisidin.—Buying irregular. No change disclosed in the prices.

Paranitroanilin. — Demand steady from usual consumers. Prices remain the same.

Paranitrochlorobenzene. — Prices unchanged and firm. Purchases steady.

Paranitrophenol.—Business routine. Nothing new occurred in the prices.

Paranitrotoluene. — Market firm. Shipments moved at a steady pace.

Paratoluidin. — Business steady. Prices unchanged and tone firm.

Phthalic Anhydride. — Active demand. Prices unchanged and market in firm position.

R. Salt. — Dealings routine. No change occurred in the quotations.

Schaeffer's Salt. — New business lacked broadening, while prices held the same.

Thiocarbanilide.—Firmness characterized the trading and business was moderately active.

Toluidin Base.—Firm price tone. Demand steady.

Xylidin Mixed.—Shipments well maintained and prices lacked any change.

Coaltar Colors

A moderately active demand continued in the market for various coaltar colors last week. Demand was satisfactory from the woolen and cotton goods industry, while other consumers were making fair size replacements. Volume was running ahead of the same period a year ago. A good amount of export inquiries continued to reach the market. Contract prices will remain firm for the second quarter.

Dyestuff exports to Canada have increased considerably since the war. Previously, a large amount was purchased from European sources. Regular supplies of dyestuffs are still coming from the United Kingdom and the present inventory is sufficient for some time. The United States exports to Canada during 1940 totaled 4,659,911 pounds, valued at $3,118,438, against 3,889,617 pounds, valued at $2,177,702 in 1939. The prices of dyestuffs have advanced 35 percent over pre-war prices, largely through depreciation of currency and increased import duties. At the same time prices on these commodities from England have advanced from 20 to 25 percent.

American Cyanamid Names Rice to Sales Post

L. M. Rice has been appointed assistant salesmanager of the organic chemicals department of the American Cyanamid & Chemical Corporation, this city, according to A. J. Campbell, general salesmanager.

Mr. Rice, a graduate of Hamilton College and Massachusetts Institute

L. M. Rice

of Technology, started with the American Cyanamid in 1925, having been assigned to the insecticide department. After working in Northern New York territory, Mr. Rice was transferred to the West coast for two years, returning to New York to promote the sale of ethyl lactate and ethyl oxybutyrate. He later was assigned to selling synthetic resins and plastics, nitrocellulose, and products derived from phthalic anhydride.

Swiss Chemical Manufacturer Commemorates Golden Jubilee

An attractive, illustrated booklet commemorating its fiftieth anniversary has been issued by the Chemische Fabrik Schweizerhall, A.G., Basel, Switzerland. In addition to the founders of the organization, the volume contains numerous photographs of the acid and superphosphate manufacturing, oilmeal grinding, and petroleum products distributing units of the company.

Earl W. Elhart has been appointed an adviser on retailing and marketing information with the National Defense Advistory Commission.

Entomologists of the North Central States will hold their twentieth annual conference at the University of Missouri March 27-28.

Employee Training A Defense Need

—*Continued from page* 5

also received constructive criticisms and information which enables us to improve our man rating, job rating, etc., as the foremen who use it now feel it is theirs, and that they had a part in its development.

We are now working on a foreman rating plan, and through the medium of these conferences, the foremen are taking an active part in its development. In addition, we are training all the foremen, using the same material we are giving to the younger men who are taking the leadership course. These conferences are the place for management to build confidence in its foremen. Just as an added note, we found the use of the new supervisor's series of Vocafilm a big asset in our training program as it approaches delicate subjects in an impersonal manner.

Minutes are kept of these conferences by the secretary and turned in to the training department where a composite of all the conferences is issued to all foremen and members of the supervisory staff as designated by management. No foreman's name is listed on any of these minutes, thus enabling us to get a freer discussion. It also keeps the whole setup impersonal. As you men know, sometimes a progressive foreman is working for a reactionary general foreman. The results are well known to all of us if the remarks in the minutes are identified with a certain foreman, especially if the thought is not in keeping with those of his own immediate general foreman. Today's foremen are an intelligent lot and must be dealt with accordingly. Management must confide in them. Only by making it a practice to tell them the truth, completely and sincerely, can their confidences be obtained.

Supervisor Instructing Helper-Learner on the Lathe

General Foremen

Meetings of general foremen usually take place in the assemblyroom. Here again we meet twice a month and review the discussion that takes place in the foremen's group. This gives our general foremen an idea of what the foremen are thinking. However, as noted, we have made it a cardinal rule never to mention a foreman's name to his general foreman or superintendent in these discussions. In addition, we discuss the improvement of the morale of employees and foremen. Here again, we use commercial motion pictures to observe various trends of other companies on different subjects.

Most important of all, however, is our arrangement of interdepartmental visits. We have the general foreman of a certain department act as a group leader for the day that this group is scheduled to meet in his shop. The general foreman on his own job tells the visiting general foremen what he does and just how he does it, right on the job, and how his problems, his output, as well as his job in general, fit into the big, over-all production program of the company. This enables each man to give the other fellow an insight into his own job and an appreciation of what he has to contend with. We find the interdepartmental visit the most valuable training project yet instituted, as it broadens each general foreman and makes him realize that there are other headaches besides his own in a large concern such as ours. We also schedule heads of other departments, such as the material order, payroll, stores, traffic departments, and so forth, to give outlines of their activities to this general foremen group.

Superintendents

Superintendents meet once a week for one hour and review the results of the foremen and general foreman conferences. This is important, as the foreman or general foreman has his fingers on the pulse of the worker more closely than anyone else in the management picture. We then have a general round-table discussion on items such as production and inventory costs and controls, motion study, wage incentives, personnel policies and practices, social legislation and interpretations, safety and health, and education. Each superintendent has a turn leading the conference and heading up the discussion. Two weeks in advance of a set meeting the leader is selected and is given his choice of several topics. Then a week ahead of this meeting, the subject is announced to the group so that an orderly and intelligent discussion can be had.

These weekly meetings aid in developing a clearer understanding of what management is doing and give a review of the development of other conferences which assists in determining procedures to be followed in the future.

A while back, I mentioned the word, "Education." This is what I meant. We survey all educational possibilities in the surrounding communities. We then catalog these after a thorough investigation of the fee and reliability of the institution and instructors. This enables us to give our supervisory staff guidance on their own educational problems. Also through these conferences, we can determine what courses to offer the worker in our evening school.

This program should not interfere with or be used as a substitute for any contacts now being in practice by management. Regular interlevel supervisory meetings where regular and emergency problems are discussed should be continued. This is not a substitute but an added attraction which should give all concerned a better understanding and a better chance to develop an ability to cope with new situations in the future. Any company attempting such a program must realize that, no matter what material is presented or who presents it, it is a long hard road ahead. Sometimes it is necessary to change a man who has been thinking in reactionary channels for ten or even twenty-five years, and to change such men requires time and patience. So, in closing, let me reiterate:—Undertaking such a program is a long, tedious job, but it is well worth the time and expense.

PHENOL U.S.P.
ICE WHITE CRYSTALS
AMERICAN-BRITISH CHEMICAL SUPPLIES, INC.
180 MADISON AVE. Telephones AShland 4-2265 and 4-2266 NEW YORK

Low Temperature Carbonisation, Ltd.
ENGLAND

Largest manufacturers in the World of low temperature tar acids of the highest possible degree of purity and efficiency.

A considerable proportion of the output is already being exported to North and South America for disinfectants, germicidal products and plastics, in addition to the special high efficiency flotation grade for the mining industry.

This is the first time in history that highly refined tar acids of this type have been made available on a large scale, and remarkably good results are being obtained by our many American buyers.

Please send us a note of your requirements with full particulars to our Sales Agents:—

TAR RESIDUALS, LTD., "Garthlands," Reigate Heath, SURREY, ENGLAND

Effective Ass'n Action Essential

—*Continued from page 5*

or renewing economic efficiency and industrial stabilization.

The very foundation of our American system of private enterprise, namely, freedom of individual action, therefore, typifies our competitive industrial system and opens the way to the development of intentional or unintentional practices in violation of the antitrust laws. Through the cooperative efforts of businessmen and trade associations, many of the economies which inhere in the concentration of production and control can be secured by isolated and independent small enterprises. Cooperation is frequently of considerable benefit when trade association activities are carried on in such a way as to supervise the negotiation of purchases, the interchange of patent rights, the exchange of credit information, the conduct of commercial and industrial research, the adoption of cost-finding formulas, the arranging of cooperative insurance, and the establishment of traffic bureaus.

Legality Often Conditional

The decisions of the courts have quite clearly indicated those trade association activities which are definitely forbidden per se because they tend to the suppression of competition. These activities center about the establishment of common production and price policies. Another group of trade association activities has been earmarked by the courts in which lawfulness is dependent upon the manner, circumstances, and results of joint efforts on the part of businessmen. Activities within the second group are not condemned if they are confined to the production and dissemination of knowledge and information resulting from the experience of the trade and their utilization for the orderly development of commercial and industrial processes and methods of doing business, provided the only tendency is legitimately to regulate competitive conditions.

Judicial clarification of the scope of the lawful trade association and its activities would go far to safeguard the development of legitimate business cooperation. It is too much to expect, however, that the rules of law can be so made as adequately to define and provide in advance for a precise index of the legal status of every activity in which a trade association may desire to engage itself. Legal rules, to be salutary, must be general in nature, must necessarily express broad principles, and must be drafted in terms of some latitude, particularly when they seek to deal with questions of public policy. Thus there is always the possibility that the adjudication of controversies involving particular enactments and legal interpretations will not keep abreast of current happenings. Those subject to a particular law may be compelled to grope for its true meaning and exact scope for considerable periods of time until the decisions of the courts have established an accepted interpretation.

This situation seems to have become quite prevalent in the administration of trade association activities. The realization of the practical possibilities of these types of organizations has developed so rapidly and the movement has grown with such startling swiftness in recent years that the legal questions involved in the operation of trade asociations have not been considered by the courts in a great many instances.

In the light of such circumstances, speculation and inference have had to supplement judicial determination in reaching conclusions upon the legal status of the various trade association activities which have resulted from recent legislation. It should be remembered, however, that it is not to be expected that even in the decisions of particular cases, judges will depart from the long-established custom of confining their authoritative judgments to the specific issues involved. And the disposition of causes between the prosecuting authorities and the trade associations involved in specific instances by the negotiation of consent decrees has introduced much less clarity than is ordinarily supposed into the legal status of various aspects of trade association procedure in general.

(To be continued)

"The Sky's the Limit" still for Synthetic Coating-Resin Sales!

Industry of phenomenal growth—young giant that increased 6,000% in two decades—organic finishes now represent 29% of the coatings business. Yet new formulae for new applications are constantly being developed.

As a pioneer producer of Phthalic Anhydride, Maleic (Toxilic) Anhydride and other organic chemicals, National has an unrivaled background of technical experience and confines its efforts in the coating-resins field solely to the manufacture of these vital raw materials.

Our production of these synthetic organic chemicals by direct manufacture assures users of a continuous supply which is never dependent in quantity or quality upon the production of other chemicals. We invite your inquiry for samples and technical information.

NATIONAL ANILINE & CHEMICAL COMPANY, INC.

Intermediates Division: 40 RECTOR ST., NEW YORK, N. Y., BOwling Green 9-2240

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GREENSBORO Jefferson Standard Bldg.
ATLANTA . . . 140 Peachtree St.
NEW ORLEANS . Masonic Temple Bldg.
CHATTANOOGA . . James Bldg.
PORTLAND, ORE. . 730 West Burnside
TORONTO . 137-145 Wellington St., W.

BRANCHES AND DISTRIBUTORS THROUGHOUT THE WORLD

Vitamin Concentrates In Lend-Lease Program

OPD Washington Bureau
March 20, 1941

Foodstuffs and vitamin concentrates may be among the "defense articles" purchased by the government and sent to Britain under the $7,000,000,000 appropriation for administering the lend-lease bill.

President Roosevelt's request for this appropriation was broken down into rough categories, including $1,350,000,000 for agricultural, industrial, industrial, and other commodities. No details have been announced as to the materials to be included in this fund, but it is known that the British are asking for vitamin concentrates and a variety of foodstuffs, including lard and probably cottonseed oil, dried milk, dried eggs, and other nonperishables.

The President has requested Secretary of Agriculture Wickard and Surgeon General Thomas Parran, who recently returned from a health study in England, to head a committee within the government to make plans for shipping foods and vitamins to England and other nations sharing in the lend-lease program. They will work with a representative of the British Food Ministry now understood to be on his way to this country.

Glass Industry Consumption Of Chemicals Reported

Materials consumed in the glass industries as reported by the Bureau of Census for 1939, as compared with 1937, follows:—

	Flat Glass Industry.	Glass Containers Industry.	Tableware, Pressed or Blown Glass, and Glassware Not Elsewhere Classified Industry.
	—Tons—		
Silica sand—			
1939	431,274	1,488,716	287,095
1937	549,986	1,714,132	298,763
Soda ash—			
1939	120,339	536,614	87,992
1937	159,319	632,973	96,866
Salt cake—			
1939	27,915	9,722	650
1937	35,961	4,473	935
Lime—			
1939	43,931	150,789	19,535
1937	60,429	189,334	27,933
Limestone—			
1939	69,200	121,813	23,474
1937	88,984	108,437	18,230
Grinding sand—			
1939	424,155	61	375
1937	637,819	115	955
Feldspar—			
1939	11,431	117,889	36,591
1937*	.....	.....	.....
Establishments—			
1939	37	77	115
1937	39	80	113

* No data.

Robert Cowen has been named sales representative in New York city, New Jersey, Philadelphia and Connecticut areas in sales of resins, grinding liquids and concentrated black and white bases produced by the Jones-Dabney Company, Louisville, Ky. The company also named E. C. Burwell Pacific coast sales representative for the same line.

A better chance that you'll be saying...

"Fits like a Glove"

Just as hands vary in size and shape, so do your products differ from those put out by other paint manufacturers. And that's exactly the reason why the Dutch Boy offers five different white-leads. Each of the five has its own special line-up of paint-making characteristics. So you have a much better chance to find a white-lead that fits your product—a "lead" with exactly the paint-making qualities you're after.

Here's the wide choice that the Dutch Boy offers: First, those two old standbys, Dutch and Carter. Next comes H. T. S. with its increased paint-thickening power, tinting strength and hiding power. Then there are the new 333 and 111 White-Leads, both of which rate even higher in these qualities. No. 111, for example, has greater paint-thickening power, tinting strength and hiding power than any other white-lead on the market.

Remember that no matter which one of the five you choose, you can be sure of uniformity. Remember also, that the more white-lead you use the better the paint. Step up the white-lead in your formula—and you automatically step up the quality and durability of your paint.

NATIONAL LEAD COMPANY—111 Broadway, New York; 116 Oak St., Buffalo; 900 West 18th St., Chicago; 659 Freeman Ave., Cincinnati; 1213 West Third St., Cleveland; 722 Chestnut St., St. Louis; 2240 24th St., San Francisco; National-Boston Lead Co., 800 Albany St., Boston; National Lead & Oil Co. of Penna., 1376 River Ave., Pittsburgh; John T. Lewis & Bros. Co., Widener Building, Philadelphia.

Paint, Varnish, Lacquer Materials

Interest in Raw Paint Materials Continues to Broaden—Carbon Black Demand Heavy — Shellac, Casein Prices Advanced—Rosin and Turpentine Steady

Movement of raw paint material continued to broaden during the period under review as the needs for the Spring painting season became more apparent. Zinc oxides and titanium pigments continued to set the pace in the pigments division, with prominent producers reporting that the peak is yet to come. Dry colors remained in active call, with demand for carbon black especially heavy. Varnish gums were firm despite tighter shipping conditions in the Far East. Better demand for domestic casein prompted an advance. Glue prices were virtually nominal, with demand exceeding available supplies. Another advance in stearic acid had failed to affect quotations on stearates late in the week.

Shellac prices were advanced, a development caused in part by the sinking of the steamship "Speybank" on passage from Calcutta to New York with a shallec cargo totaling about 5,400 packages. Steamers sailing subsequent to the "Speybank" will carry April shipments. Two steamers are due here within the next fortnight. Quieter conditions prevailed in primary and local markets for naval stores during the week, purchasing generally being limited to comparatively small quantities, with price changes being narrow.

Metallic Lead and Zinc

Conditions in the metals market remained unchanged last week. Sales of pig lead were at previous levels. Due to allocation of supplies, sales of slab zinc were smaller. One prominent supplier of zinc products announced that it was discontinuing manufacture of a certain type of brass pipe to conserve zinc for national defense.

Lead.—Prevailing spot prices at New York, East St. Louis and London for the period from March 15 to March 21, inclusive, were as follows:—

	Pigs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0575@.0580	$0.0560	.. * .. ..
Monday	.0575@.0580	.0560	.. .. ..
Tuesday	.0575@.0580	.0560	.. .. ..
Wed'n'sd'y.	.0570@.0580	.0560	.. .. ..
Thursday	.0575@.0580	.0560	.. .. ..
Friday	.0575@.0580	.0560	.. .. ..

* London exchange closed.

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from March 15 to March 21, inclusive, were as follows:—

	Slabs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0765	$0.0725	.. * .. ..
Monday	.0765	.0725	.. .. ..
Tuesday	.0765	.0725	.. .. ..
Wednesday	.0765	.0725	.. .. ..
Thursday	.0765	.0725	.. .. ..
Friday	.0765	.0725	.. .. ..

* London exchange closed.

Pigments

Antimony White.—Good call. Price steady and unchanged.

Flake White.—Normal movement of domestic material. Imported product unavailable. Price firm.

Litharge.—Demand remained urgent. Shipments in large volume. New business good. Prices steady and unrevised.

Lithopone.—Inquiries continued to broaden. Shipments were larger. Price steady.

Metronite Pigment.—Offerings and demand at previous levels. Prices steady and unchanged.

Orange Mineral.—Satisfactory interest shown in offerings. New business improved. Price firm.

Red Lead. — Consumers remained actively interested in offerings. Shipping instructions were more numerous. Prices steady for all grades.

Titanium Pigments. — Market was well maintained. Demand continued heavy. Prices steady.

Zinc Oxides. — Shipments at high level. Price unchanged.

Price Changes

Advanced

Casein, dom., ½c. per lb.
Rosin, gum, medium grade, 1c. per 100 lbs.
Shellac, bonedry, 3c. per lb.
superfine, 3c. per lb.
T. N., 3c. per lb.
Shellac varnish, 10c. per gal.

Reduced

Turpentine, gum, ¼c. per gal.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
128.0	128.0	128.0	126.2

Market news that may have developed after this report was sent to press will be found on page 4.

Fillers and Extenders

Asbestos.—Good call. Prices firm.

Asphaltum.—Tone stable. Demand satisfactory.

Barytes.—Movement running ahead of last year. Sales volume satisfactory. Prices firm and unchanged.

Bentonite.—Normal movement. Price steady.

Blanc Fixe.—Good call. No changes in listed quotations.

Charcoal.—Fairly active call. Shipments normal. Prices steady.

China Clay.—Market more active. Prices steady.

Diatomaceous Earth.—Natural grade in fair call. Purified type in better demand. Prices steady and unchanged.

Fullers Earth.—Buying interest fair. No changes in price.

Graphite.—Normal movement. Prices steady.

Gypsum.—Demand fair. Prices firm.

Marble Flour. — Market routine. Price unchahged.

Mica. — Better demand reported. Shipment growing larger. Inquiries more numerous. Prices steady and unrevised.

Pumice Stone.—Italian grades unavailable. Prices withdrawn.

Rottenstone. — Better call. Price steady.

Tripoli.—Buying less conservative. Price unchanged.

Woodflour.—Norwegian material nominal. Domestic grades in good call, with prices steady.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Purchasing Agents Ass'n, May 26-29, Chicago.

HOOT MON! PARANOL 25

FOR A MON WI' AN EYE TO LOW COST PRODUCTION

Paranol 25 is a bonny buy . . . and the quality would truly surprise a mon wi' a searchin' pair of eyes!

And listen, mon! The way it works wi' softer oils will make your heart do a highland fling for glee. — Sshish! A sample and data dinna cost ye nothin'.

Our Technical Staff is at Your Service

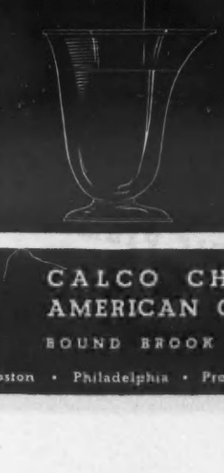
PARAMET SYNTHETIC RESINS

PARAMET CHEMICAL CORPORATION
MANUFACTURERS OF SYNTHETIC RESINS
44TH AVENUE AND 10TH STREET • LONG ISLAND CITY, N. Y.

CALCO'S

OIL ORANGE 7078

A GOOD, STRONG OIL COLOR



●Tinctorially strong enough to be a favorite gasoline coloring, and reasonably fast to light, this is an excellent color for matching wood shades, for penetrating oil stains. Its solubility in a wide range of solvents makes Oil Orange 7078 readily adaptable to your own special vehicles. Write, stating your needs for an oil color, and a generous working sample will be sent to meet your requirements.

Other Calco Oil Colors include:

Oil Black 8603
Oil Yellow 7463
Oil Red N-1700
Oil Blue B-5199
Oil Orange Y-293
Oil Scarlet II
Liquid Oil Black 9096

Write today, stating your requirements, and working samples to meet your needs will be sent without charge.

CALCO CHEMICAL DIVISION
AMERICAN CYANAMID COMPANY
BOUND BROOK Calco NEW JERSEY
Boston • Philadelphia • Providence • New York • Charlotte • Chicago

Driers

Movement of stearates and palmitates remained satisfactory, with volume being shipped running ahead of last year. Inquiries for future delivery continued to appear more frequently. Contract call broadened. Prices were steady and unchanged.

Dry Colors

Alkali Blue Toner.—Good call. Prices firm and unchanged.

Bone Black.—Buying interest well maintained. Shipments larger. Prices firm and unrevised.

Cadmium Lithopones.—Routine call. Prices steady and unchanged.

Carmine No. 40.—Advances made two weeks ago failed to influence consumers who were ordering in good volume. Inquiries were good. Prices steady.

Chrome Colors.—Satisfactory call reported. Prices firm.

Carbon Blacks.—Movement into consumption remained very heavy. Producers announced two weeks ago that prices would be advanced ¼c. per pound on April 1.

Fire Red Toner.—Good call. Price steady.

Iron Oxides.—Buying interest well maintained. Shipments fairly large. Prices steady and unchanged.

Lacquer Maroon.—Good call. Prices steady.

Lamp Black.—Better movement reported. New business fair. Prices steady and unchanged.

Lithol-Rubine Toner.—Movement fairly large. Prices steady.

Mercuric Oxides.—The market was well maintained at previous levels. Demand remained satisfactory.

Ocher.—Good call. Shipments better than normal. Prices firm.

Siennas.—Market very active. Prices steady and unchanged.

Ultramarine Blues.—Contracted material had already been delivered in most instances. Inquiries for future good. Prices firm and unchanged.

Vermilion.—Buyers continued to show more interest in offerings. Prices were very strong but were unchanged.

Naval Stores

A generally steady or firm tone prevailed in Southern and local markets for rosin and turpentine last week but aside from this the situation lacked features of interest. There was little to record in the way of activity so far as new business was concerned. Unfavorable weather for painting appears to have checked consumption in parts of the country recently, but the indications continued to point to a liberal movement of rosin into consuming channels in various industries. The government remained in the market last week as a seller of turpentine. Offerings of that commodity as well as rosin from private sources were generally light as the movement from the woods remained small. Weather conditions were unfavorable for production and marketing, temperatures being abnormally low with frequent rains and there appeared to be little prospect of any increase of consequence in primary receipts in the near future.

According to official statistics, exports of gum rosin during January were 6,021,342 pounds; wood rosin, 6,124,407 pounds. Gum turpentine exports 311,096 gallons; wood, 76,905 gallons. Tar and pitch of wood, 1,-

Made to Order?

When you discover the cook who serves up tempting dishes the way you like them . . . . ah!

In the same way, you'll be "tickled pink" with the way Nopco metallic soaps suit the taste of your particular products. Because Nopco soaps are made *for* your product, they work better *with* your product.

METASAP CHEMICAL COMPANY
A Division of National Oil Products Co.
PALMITATES
STEARATES
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Perfect Control
Crosby
Pale Wood Rosins

Rigid technical control in the modern Crosby plant makes certain the absolute purity and uniformity of Crosby Pale Wood Rosins. They have high melting point and are clean and crystal clear. Their superior quality has made Crosby nationally known.

Call on ROSBY for quality
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Science . . . GOES NATURE ONE BETTER IN THE MAKING OF IRON OXIDES . . .

√ • The principal difference between ordinary iron oxides and MAPICO Colors is that one is dug out of the earth while the other is produced by modern scientific methods.
√ • It is only natural therefore, that MAPICO Colors should have a higher degree of uniformity in color, texture and working qualities.
√ • These scientifically produced oxides are made from selected raw materials under constant rigid control, and tested by the most modern technical devices.
√ • Truly they represent a real improvement on Nature.

• These pure oxides of iron, made in the United States from native raw materials always are available.

Technical Inquiry is Invited

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Special Oils to Order

PACIFIC VEGETABLE OIL CORPORATION
Importers, Refiners, Manufacturers
62 TOWNSEND STREET, SAN FRANCISCO, CALIF.
4½ million gal. U.S. Gov't Bonded Tank Storage

133,271 pounds. Other gums and resins 655,493 pounds.

Turpentine.—Purchasing in the local market was generally limited to small lots for prompt shipment, the movement of such quantities in the aggregate being light. Price changes were unimportant.

SAVANNAH, March 21.—Following is a record of the turpentine market for the week:—

	Gallons—Cents.	Sales.	Barrels—Receipts.	Shipments.	On hand.
Saturday*..	...	...	...	...	...
Monday ...	33¼	2,650	...	28	8,805
Tuesday ...	33¼	850	53	122	8,736
Wednesday.	33¼	2,000	24	25	8,735
Thursday..	33¼	...	16	...	8,751
Friday ...	33¼	850	38	4,487	4,382

* No trading.

JACKSONVILLE, March 21.—Turpentine stock 14,456 barrels.

PENSACOLA, March 15.—Turpentine stock 10,256 barrels.

Chicago—March 21

Turpentine quiet. Five-drum lots, 46c. per gallon; five wood barrels, 51c.; single drums, 49c.; single barrels, 55c.

Rosin.—Business here was rather quiet in the absence of stimulating developments in the South where general conditions underwent little change. Primary receipts and offerings continued light.

SAVANNAH, July 21.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted—*Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$1.56	$1.56	$1.56	$1.56	$1.56
D	...	1.79	1.80	1.80	1.80	1.80
E	...	1.79	1.80	1.80	1.80	1.80
F	...	1.79	1.80	1.80	1.80	1.80
G	...	1.79	1.80	1.80	1.80	1.80
H	...	1.79	1.80	1.80	1.80	1.80
I	...	1.79	1.80	1.80	1.80	1.80
K	...	1.95	1.95	1.95	1.95	1.95
M	...	2.00	1.97	1.97	1.97	1.97
N	...	2.11	2.11	2.11	2.11	2.11
WG ..	...	2.56	2.56	2.56	2.56	2.56
WW ..	...	2.76	2.76	2.76	2.76	2.76
X	...	2.76	2.76	2.76	2.76	2.76

	Barrels—				
Sales....	...	...	132	...	... 87
Receipts.	...	639	837	26	... 772
Shipm'ts	...	2,345	1,409	270	... 1,699
Stocks..	..	...	...	...	... 157,963

* No trading.

JACKSONVILLE, March 21.—Rosin stock 322,259 barrels.

PENSACOLA, March 15.—Rosin stock 51,176 barrels.

Chicago—March 21

Rosin quiet. B grade, five-drum lots, $2.86 per 100 pounds net; G grade, $3.10; M grade, $3.25; W.W. grade, $4.06.

Other Naval Stores

Pine Oil.—Quotations maintained. Tone firm. Business fairly active.

Pitch.—Buying generally conservative. Spot stocks light. Market firm.

Rosin Oil.—Increase noted in request for moderate lots. Prices steady.

Tar.—Steady movement on contracts and transient orders. Tone firm.

Lacquer Materials

An active demand prevailed in the market for most lacquer materials and solvents. New business was sidetracked in an effort to supply all demands against contracts. Acetone continued in a tight position, and very little was obtainable in spot market. Butyl alcohol and acetate were moderately active. A good inquiry was evident for dibutyl phthalate. Ethyl acetate was in a strong position. Prices were maintained at the same levels, with the tone firm.

Acetone.—Withdrawals steady. Market position tight. Prices firm. January exports 2,504,745 pounds, of which 1,337,706 and 482,153 pounds went to United Kingdom and Canada, respectively.

Amyl Acetate.—Market firm, and commitments steady. January exports 42,527 pounds.

Butyl Acetate.—Steady to firm price tone. Business moderately active. January exports 345,891 pounds.

Butyl Alcohol.—Shipments continued steady and moderate against contracts. Prices unchanged. January exports 535,491 pounds.

Dibutyl Phthlate.—Market position firm, and buying good.

Ethyl Acetate.—Prices unchanged, and market in strong position. Demand active. January exports 208,406 pounds.

Methylethyl Ketone.—Buying good. Prices unchanged and firm. January exports 389,665 pounds.

Shellac

Prices were advanced fully 3c. per pound last week. News of the sinking of the steamer "Speybank" on passage from Calcutta to New York with a substantial cargo of shellac aboard has proven bullish influence on the market. The shellac cargo was probably around 5,400 packages and presumably considerable selling had been done against the shipment. While two ships are expected here shortly, after their arrival it is possible that the next ships to reach here will carry April shipments. The situation was considered to gain substantial strength. Higher prices were:—Bonedry, 31c. per pound; refined bonedry, 37c.; Superfine, 24c.; T. N., 23c.; garnet, 24c.; D. C., V. S. O. and Diamond I, 30c. Shellac varnish, orange, 5-pound cut, $1.25 to $1.30 per pound; white, 5-pound cut, $1.35 to $1.40.

Varnish Gums

Demand for all types of natural resins remained fair during the period under review. Current shipping conditions in the Far East were delaying deliveries last week but importers reported sufficient stocks in the United States to meet normal requirements. Prices were unchanged.

Synthetic Resins

Movement of ester gum continued to run ahead of last year. Shipping instructions were reaching suppliers in good volume. Inquiries for future delivery were satisfactory. Prices were steady and unrevised.

Glues and Binders

Casein.—A better call for supplies of the domestic material prompted a ½c. per pound advance last week. Prominent producers were quoting the 20-30 mesh material at 12c. to 13c. per pound for car lots; 12¼c. to 13¼c. for five tons to car lots and 12½c. to 13½c. for smaller amounts. The 80-100 mesh material was ½c. per pound higher in each case. Importers of the Argentine product maintained previous prices.

Glues.—Demand continued to exceed available supplies. Prices were virtually nominal, although no posted revisions were made.

Painters Pact Bans Defense Work Strikes

—Continued from page 5

Brotherhood of Painters, Decorators and Paperhangers of America, an American Federation of Labor international union, representing labor, and the Painting and Decorating Contractors of America, the national association of contractors representing the employers. The agreement applies throughout the country and sets up a joint national board comprising equal representation of employers and union members to adjust all disputes and differences without the necessity of resorting to strikes and lockouts. Although these two national organizations have been in existence for more than half a century, a national agreement has never before been negotiated between the two associations.

This agreement is also the first time that both the labor and the employers of any industry have gotten together according to President Roosevelt's request to establish by mutual understanding business relationships that would prevent strikes and thus allow the great work under the defense program to proceed without interruption.

Michael W. McCarthy, of the Rambusch Decorating Company, New York, is president of the Painting and Decorating Contractors of America.

Roh Heads S.A. Drive

Charles J. Roh, president of the Murphy Varnish Company, is general chairman of the Salvation Army's capital accounts drive to be conducted in Newark, N. J., from April 21 to May 5. The campaign, first of its type to be made in eighteen years, will be for $125,000 to finance the Red Shield Club, opened in January, and also to provide funds for the women's emergency home. Mr. Roh has named as active campaign director William A. Nicol, public relations secretary of the Salvation Army in Massachusetts and Rhode Island, once an office boy for William Booth, founder of the organization.

INDUSTRIAL AND PHARMACEUTICAL
Chemicals
ACETONE
ALLYL ALCOHOL
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(Secondary)
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FOR SPIRIT VARNISHES
ETHOCEL* toughens the low cost synthetic resins used in spirit varnishes. Small percentages of ETHOCEL give the varnish film these improved properties:
• Higher softening point
• Increased abrasion resistance
• Decreased after-tack
*Trade Mark Reg. U. S. Pat. Off.
DOW
THE DOW CHEMICAL COMPANY
MIDLAND, MICHIGAN
The ETHOCEL Handbook is a laboratory manual available on inquiry. It gives pertinent properties of ETHOCEL, its behavior with solvents, resins and plasticizers.

Current Market Quotations

—Continued from page 23

Yellow Ocher—Zirconium

Yellow, ocher, Amer., yellow, E, bbls., works	lb.	.01775- —
F, bbls., works	lb.	.01½- —
G, bbls., works	lb.	.01½- —
H, bbls., works	lb.	.01¾- —
French, all shades, cks., c.l., ex dock, Balto, Boston, N. Orleans for import	lb.	.02475 Nom.
New York (f.o.b.)	lb.	.02¾ Nom.
Philadelphia for import	lb.	.02¾ Nom.
ex dock San Pedro, San Francisco	lb.	.0290 Nom.
l.c.l., ex dock, Balto, Boston, N. Orleans	lb.	.02575 Nom.
New York	lb.	.03⅛ Nom.
Phila., for import	lb.	.02⅞ Nom.
Portland, Seattle	lb.	.03½ Nom.
San Pedro, S. Francisco	lb.	.05 Nom.
ex whse., Balto., Boston, N. Orleans	lb.	.02725 Nom.
ex whse., Indianapolis, Kan. City, Milwaukee, St. Louis	lb.	.03¾ Nom.
New York	lb.	.05 Nom.
Pittsburgh	lb.	.03¼ Nom.
Portland, Seattle	lb.	.03¾ Nom.
Yellow, Ocher, French, all shades, cks., l.c.l., ex whse., San Pedro, S. Francisco	lb.	.03¼ Nom.
f.o.b. N.Y., from dock	lb.	.02⅞ Nom.
from whse.	lb.	.03½ Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N. Y.	lb.	.04¼- —
l.c.l., same basis	lb.	.04¾- —
synth., bbls., c.l., works	lb.	.06¼- —
l.c.l., same basis	lb.	.06¾- —
Persian orange (see O).		
Zinc, bbls., same basis, chrome CP, contracts	lb.	.16 - —
open order	lb.	.16 - —
Navy specification type, contracts	lb.	.16 - —
open order	lb.	.16 - —
Yellow dock root, dom., bls.	lb.	.17 - .18
Yellow root (xanthoriza), bls.	lb.	.11 - .13
Yerba santa leaves, bls.	lb.	.09 - —
Yohimbine hydrochloride, vis.	oz.	3.00 - 3.50

Z

Zein, bgs., 1,000 lbs. or more, works	lb.	.20 - —
less than 1,000 lbs., works	lb.	.25 - —
Zinc acetate, tech., bbls., dlvd.,	lb.	.15 - .16
USP, bbls., 250 lbs.	lb.	.27 - —
kgs., 100 lbs.	lb.	.29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies	lb.	.12 - —
l.c.l., bgs.	lb.	.12½- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.		
Zinc, carbonate, tech., bbls.	lb.	.14 - .16
USP, precip., powd., bbls.	lb.	.32½- —
25 lb. dms.	lb.	.37½- —
kgs.	lb.	.34½- —
Chloride, tech., fused, dms., c.l., works, 100 lbs.		4.25 - —
l.c.l., works, 100 lbs.		4.60 - —
gran., dms., c.l., works, 100 lbs.		5.00 - —
USP, 200-lb. dms.	lb.	.26 - —
25-lb. jars	lb.	.31 - —
solution, 50%, dms., c.l., works	lb.	.0290- —
l.c.l., works	lb.	.04 - .04½
tanks, works	lb.	.0225- —
Cyanide, kgs., works	lb.	.33 - .35
Dust, bbls., c.l., dlvd.	lb.	.09¼- —
l.c.l., bbls., dlvd.	lb.	.09¾- —
Iodide, N. F., bots.	lb.	4.35 - —
jars	lb.	4.20 - —
Fluoride, bbls.	lb.	.20 - .38
Meta (see daily quotations in Market report).		
Oxide, pigment, dom., Amer. process, coml., lead free, bgs., c.l., dlvd.	lb.	.06½- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾- —
ex whse., Pac. cst.	lb.	.06¾- —
bbls., c.l., dlvd.	lb.	.06¾- —
l.c.l., dlvd., except Pac. cst.	lb.	.07 - —
ex whse., Pac. cst.	lb.	.07 - —
leaded, 5%, bgs., c.l., dlvd.	lb.	.06¾- —
l.c.l., dlvd., except Pac. cst.	lb.	.06½- —
ex whse., Pac. cst.	lb.	.06½- —
Zinc, oxide, pigment, dom., Amer. process, com'l, leaded 5%, bbls., c.l., dlvd.	lb.	.06¾- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾- —
ex whse., Pac. cst.	lb.	.06¾- —
35%, bgs., c.l., dlvd.	lb.	.06 - —
l.c.l., dlvd., except Pac. cst.	lb.	.06¼- —
ex whse., Pac. cst.	lb.	.06¼- —
bbls., c.l., dlvd.	lb.	.06¼- —
l.c.l., dlvd., except Pac. cst.	lb.	.06½- —
ex whse., Pac. cst.	lb.	.06½- —
50%, bgs., c.l., dlvd., except Pac. cst.	lb.	.06 - —
Pac. cst.	lb.	.0606- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¼- —
ex whse., Pac. cst.	lb.	.06¼- —
bbls., c.l., dlvd, except Pac. Cst.	lb.	.06½- —
ex whse., Pac. cst.	lb.	.06½- —
French process, com'l, lead free, bgs., c.l., dlvd.	lb.	.06½- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾- —
ex whse., Pac. cst.	lb.	.06¾- —
bbls., c.l., dlvd.	lb.	.06¾- —
l.c.l., dlvd., except Pac. cst.	lb.	.07 - —
ex whse., Pac. cst.	lb.	.07 - —
green seal, bgs., c.l., dlvd.,	lb.	.06¼- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¼- —
ex whse., Pac. cst.	lb.	.06½- —
bbls., c.l., dlvd.	lb.	.06½- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾- —
ex whse., Pac. cst.	lb.	.06¾- —
red seal, bgs., c.l., dlvd.	lb.	.07¾- —
l.c.l., dlvd., except Pac. cst.	lb.	.08 - —
ex whse., Pac. cst.	lb.	.08 - —
bbls., c.l., dlvd.	lb.	.08 - —
l.c.l., dlvd., except Pac. cst.	lb.	.08¼- —
ex whse., Pac. cst.	lb.	.08¼- —
white seal, bgs., c.l., dlvd.,	lb.	.08¾- —
l.c.l., dlvd., except Pac. cst.	lb.	.09 - —
ex whse., Pac. cst.	lb.	.09 - —
bbls., c.l., dlvd.	lb.	.09 - —
bbls., c.l., dlvd., except Pac. cts.	lb.	.09½- —
ex whse., Pac. cst.	lb.	.09½- —
imported, gold seal, cks., ex whse.	lb.	No prices
green seal, bbls., ex whse.	lb.	No prices
white, seal, cks., ex whse.	lb.	No prices
USP, bbls., c.l.	lb.	.09¾- —
Palmitate, bbls.	lb.	.24½- .27½
Resinate, fused, pale, bbls.	lb.	.10 - —
precip., dms., dlvd.	lb.	.15 - —
Stearate, tech., precip., bbls., ctns., c.l.	lb.	.22 - —
l.c.l., 1 ton	lb.	.23 - —
1,000-2,000 lbs.	lb.	.24 - —
less than 1,000 lbs.	lb.	.25 - —
USP, bbls.	lb.	.23 - .26
Sulphate, cryst., bgs., c.l.,	100 lbs.	3.00 - —
l.c.l.	100 lbs.	3.75 - —
bbls., c.l.	100 lbs.	3.15 - —
l.c.l.	100 lbs.	3.90 - —
flake, bgs., c.l.	100 lbs.	3.35 - —
l.c.l.	100 lbs.	4.10 - —
bbls., c.l.	100 lbs.	3.50 - —
l.c.l.	100 lbs.	4.25 - —
powd., bgs., c.l.	100 lbs.	4.70 - —
l.c.l.	100 lbs.	5.45 - —
bbls., c.l.	100 lbs.	4.85 - —
l.c.l.	100 lbs.	5.60 - —
Sulphide, bgs., c.l. (20 tons), dlvd.	lb.	.07¾- —
l.c.l., dlvd., E. or ex whse., Pac. cst.	lb.	.08 - —
bbls., c.l., 20 bbls., c.l. (20 tons), dlvd.	lb.	.08 - —
l.c.l., dlvd., E. or ex whse., Pac. cst.	lb.	.08¼- —
barium, pigment, bgs., c.l., dlvd.	lb.	.05¼- —
l.c.l., dlvd., E. or ex whse., Pac. cst.	lb.	.05¼- —
calcium pigments, bgs., c.l., dlvd.	lb.	.05¼- —
l.c.l., dlvd., E. or ex whse., Pac. cst.	lb.	.05½- —
magnesium, pigment, bgs., c.l., dlvd.	lb.	.05½- —
l.c.l., dlvd., E. or ex whse., Pac. cst.	lb.	.05¾- —
Sulphocarbenate, NF, bbls., dms.	lb.	.24 - .29
Zinc-ammonia chloride, dms., c.l., works	100 lbs.	5.15 - —
l.c.l., works	100 lbs.	6.35 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd.	lb.	.05¼- —
l.c.l., dlvd., except Pac. cst.	lb.	.05¾- —
ex whse., Pac. cst.	lb.	.05¾- —
Zirconium nitrate, kgs., works	lb.	3.00 - 4.00
Oxide, crude, 70-75%, gr., bbls., works	ton	75.00 -100.00
white, 99%, grd., kgs., works,	lb.	1.90 - 2.00

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Synthetic Resins

and other

Branded Paint Materials

(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the Mar. 3 issue; the next printing will be in the Apr. 7 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials market which begins on page 39.

Phila. Production Club Studying Yellow Pigments

Eighty-one members and guests attended the regular meeting of the Philadelphia Paint and Varnish Production Club, held March 6. At the meeting of the technical committee, which preceded the dinner, subcommittees under the W. Colio and J. Binswanger reported progress in their studies of mineral spirits and yellow pigments, respectively.

Following the dinner a resolution memorializing the death of George Heckel was submitted by F. A. Wertz, chairman of the resolution's committee. All present stood in silent tribute. In the business meeting, J. C. More discussed the part which the federation is to take in the defense program. He stated that certain government agencies have come to realize that the clubs can lend invaluable assistance on certain problems which will be assigned in the near future.

In the absence of H. Katinsky, chairman of the technical committee, G. R. Henry outlined a proposed program of study of the effect of terneplate cans on various types of paints. It was requested that all members cooperate in making this study in view of the possible necessity of using this type of container to replace the tinned cans.

G. H. Wescott, chairman of the exposure standard's committee, reported that the executive committee of the federation had approved the publishing of a quantity of exposure standards manuals.

P. J. Whiteway, jr., also reviewed the paper on "A Study of Bodying Dehydrated Castor Oil with Other Oils," presented by the C.D.I.C. Club at the Federation convention and Hugh McConaghy reviewed the paper on "Primers for Magnesium and Aluminum Alloys" presented by the Golden Gate club.

Western N.Y. Club Hears About Titanium Dioxide

Dr. D. H. Dawson, of the Krebs Pigment & Color Corporation, discussed "Titanium Dioxide" at the March meeting of the Western New York Paint and Varnish Production Club.

Dr. Dawson's discussions on titanium pigments covered the entire field available in several different types to the formulator. Through the medium of slides, the differences in properties of the various types were classified by Dr. Dawson. The new rutile type titanium dioxide pigment was also explained to the group.

Pittsburgh Club Told About Resin Coatings

The Pittsburgh Paint and Varnish Production Club met in joint session with the Pittsburgh Paint, Varnish and Lacquer Association in the Duquesne Club March 13.

W. R. Catlow, of the Bakelite Corporation spoke on the subject "Perfection and Production with Synthetic Resin Coatings." Mr. Catlow prefaced his talk with a few remarks regarding the high molecular weight, polymer non-oxidizing resins and their development for the trade since 1928 when the first practical forms of phenol formaldehyde resins were offered. He stressed the importance of the development of the various types to their present uses with the softer oils and their ability to replace large percentages of chinawood oil in accepted formulas for both government specification and industrial work.

Mr. Catlow also enlarged on dispersion resins of the plastic type, relatively cured in the dispersed phase, reduced with aromatic hydrocarbon thinners for shop coat primers which dry almost instantly and permit second coat or finish coats to be applied with little loss of time. In this regard, he remarked on the exceptional resistance to water vapors of coatings made with dispersed resins of this type and advocated their use even over an oil base shop coat to act as a water barrier where moisture protection is indicated such as coating metal for ship bottoms. He also recommended dispersion resins to the club for use in quick drying paints for traffic and safety zone work and as a vehicle for aluminum powder in coating cable sheath.

Mr. Catlow concluded his address with some information on the new carbic anhydride resins whose activity make them useful on a wide range of products in replacing chinawood oils in the cook and permitting the use of dehydrated castor oils either partially or entirely with the resin. He stressed the fact that varnishes made with this type of resin offer good solvent resistance, dry quickly and form smooth surface, water-proof films.

Balto. Production Club Discusses Zinc Oxides

Sydney Wortham, of the New Jersey Zinc Company, was guest speaker at the regular monthly meeting of the Baltimore Paint and Varnish Production Club held today. Illustrating his subject, "Zinc Oxide—As You Like It," with slides, he explained the physical and chemical properties of the pigment and discussed methods used in grinding, qualifying and identifying its various grades.

The club voted that any member called by the Army or Navy shall be carried on the roster as an active member, and that the privileges of the club shall be extended to members of production clubs from other cities who are on duty in the Baltimore area.

C.D.I.C. Club Hears Chloupek on Resins

The Cincinnati-Dayton-Indianapolis-Columbus Paint and Varnish Production Club February meeting had an attendance of eighty-seven. The meeting was featured by a showing of motion pictures of the plant of the American Cyanamid Company, and an address by Mr. Cholupek, entitled "It Isn't Done With Mirrors."

Mr. Chloupek spoke on the difficulties in formulating with melamine and urea resins in comparison to alkyds. Titanium dioxide and melamine give bad cracking failure, he said. With the new treated titanium oxides, and with 168 YCR and AA it gives some longer degree of nonchalking, and LG 124 and 151 Ti-Pure also give somewhat better results, it was added.

He also stated that melamine resins gave better results that urea varieties for color retention, but that the urea types held their gloss better. With colored enamels, an average of 20 to 40 percent urea to alkyd give better gloss than straight alkyd in baking, he said. With blacks, melamine was said to be better than urea for gloss, and wet better with toluidine, both being superior to straight alkyd.

Toronto Club Meeting Featured by Plant Trip

The February meeting of the Toronto Paint and Varnish Production Club was held at Hart house, with 39 attending. Feature of the meeting was an inspection trip of the O'Keefe brewery, where the manufacturing processes were described, and the unusual exposure conditions under which paints would need to stand up were pointed out. It was observed that because of these severe conditions, extensive use was being made of tile in the new construction and modernization program underway, and viewed by the club.

Northwestern Prod. Club Hears About 'Pentalyn'

Frank G. Oswald, of the synthetics department of the Hercules Powder Company the properties of the "Pentalyn" resins, and their application in the manufacture of protective coatings at the meeting of the Northwestern Paint and Varnish Production Club held March 7 in the St. Paul Athletic Club. A lengthy question and answer period followed the paper presentation.

In the business session of the meeting, J. M. Olson presented a financial report covering the Duluth trip and turned over a check for $32.74 to the treasurer. A report of the progress of the club's technical problem was delivered by Elry Fleischer, and he was given an appropriation of $15.00 to finance the preparation and laying of floor enamel test panels.

A letter from P. Warren, regarding the annual golf outing of the club, was also read, following which it was voted to hold this year's affair on June 27.

St. Louis Production Club To Meet with A.C.S. Group

The St. Louis Paint and Varnish Production Club held a regular monthly meeting in the Claridge hotel, February 25. Walter Groves, vice-president, presided in the absence of T. N. Weiskirch, president of the organization. Principal topic discussed was the project to be carried on by the technical committee for 1941. It was also decided that members of the club meet with the paint, varnish, and plastics division of the American Chemical Society, April 8, in the Jefferson hotel, for a banquet and entertainment. This affair will replace the regular monthly meeting of the group.

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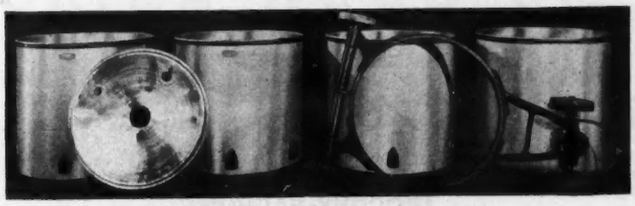
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Portland Club Studying Breather Type Paints

The February meeting of the Portland Paint, Varnish and Production Club was concerned with a suggestion from Ken Duncan, chairman of the technical committee, as to the scope of action to be taken on the club's problem "Breather Type Paints." In discussing the problem, Mr. Duncan said that what the committee was endeavoring to find basically was what formulation will allow the greatest amount of condensed moisture behind the film to pass through without disturbing that film. In other words, he explained, to make a study of pigments that will allow the passage of moisture through the film without disintegrating it.

A motion was seconded that the by-laws be amended to provide that the regular meeting night be the second Tuesday of each month, instead of the second Wednesday as now provided. President Wood stated that the motion would have to lay on the table until the next regular meeting before it could be voted on.

N.Y. Paint Club Names Nominating Committee

The executive committee of the New York Paint, Varnish and Lacquer Association has elected the following nominating committee for the election of officers:—Chairman, M. J. Merkin, of the Merkin Paint Company; Thurlow J. Campbell, of the Valspar Corporation; Ralph Everett of the Keystone Varnish Company, D. H. Litter, of the D. H. Litter Company, and Ralph Neumann, of New Jersey Zinc Company.

Paint Exchange Club to Meet

Paint and Varnish Exchange Club will hold a meeting in the Brooklyn Engineers Club, 117 Remsen street, March 26. The speaker will be Dr. K. E. Burgess, of the Binney & Smith Company, who will talk on "Precipitated Oxides."

Sun Oil Stockholders Approve Preferred Issue

Sun Oil Company, Philadelphia, stockholders approved amendments to articles of incorporation to permit issuance of 100,000 shares of $100 par 4½ percent class A preferred stock. Directors voted to offer holders of the present 5 percent preferred stock the right to and including March 29, to exchange, share for share, for the new issue. New preferred will be callable at 120 for the first five years and at 115 thereafter. Stockholders also approved amendments of certificate of incorporation so as to authorize the company to engage in general shipbuilding, repairing and drydocking business and the manufacture and sale of machinery, equipment and accessories of all kinds. This change was proposed so that the company might be in a position to operate the business now carried on by its wholly-owned subsidiary, Sun Shipbuilding & Drydock Company.

Commercial Solvents Issuing 'Hot' Lacquer Licenses

Commercial Solvents Corporation is granting licenses under United States patent No. 2,150,096, covering the application of lacquers at elevated temperatures. This patent discloses a novel lacquer technique based on the fact that it is possible to apply at elevated temperatures, 150 degrees F. to 160 degrees F., for example, a lacquer containing much larger proportions of solids than has ever before been possible. Information concerning licenses under this patent can be obtained by writing the corporation at 17 East Forty-second street, this city.

Galvanizers to Meet

The Galvinzers Committee, sponsored by the American Zinc Institute, will meet in the Hotel William Penn, Pittsburgh, May 1 and 2. Tentative program calls for plant inspection on first day, with the annual dinner scheduled for the evening. On the second day, technical papers will be presented and practical operating problems discussed.

Flaxseed Crop to Set High Record in 1941

—Continued from page 5

ocean navy, the demand for paint from this one item alone will be greatly in excess of anything experienced in the life time of modern navy officers. Not only is the demand for paint greater for ships of the fleet but expanding naval air operations call for another large gallonage. Equipment for the rapidly expanding personnel of the navy, land bases, training camps all call for additional volume of paint.

The Flax Institute, in its plans for supplying the needed linseed oil, anticipated the expansion of the defense program when it started its own cooperative movement toward the raising of a larger flax crop three years ago, causing the national production level to jump sharply from year to year until 1940 when a domestic crop of 31,000,000 bushels was harvested.

Early in the Fall of 1940 the institute's annual meeting brought out the many technical, cultural and botanical advancements made during the year. Flax experts at the meeting predicted that the 1941 crop would be the greatest on record, barring disaster, flood or disease.

Concern is felt over the 1941 crop with flax growers fighting the latest attempt of the AAA to remove clover from the flax-legume soil-depleting classification. Local meetings of protest all through the flax producing belt are being held in hopes that the regulations can be changed before planning for 1941 crop cycle is completed. The institute is backing the move to maintain the AAA rulings on the very satisfactory basis established in 1940 and every effort is being made to reinstate the flax-legume plan as stated in the Spring of last year.

Flaxseed is one of the twenty-one critical war materials and it is up to the paint industry to help the flax producers in seeing that the program continues along constructive lines. Flaxseed is the prime requisite for linseed oil and without linseed oil the paint industry is going to find itself bogged down in a rush of back orders with penalties in lost business, dissatisfied customers, and a general slowing of the defense program because of a bottleneck developed in paint production.

Dependence on foreign flax supplies is of critical worth at this time with higher oil prices in prospect if manufacturers have to depend on imports. Importations of flaxseed thus far this season have been at a minimum with high freights against the purchase of foreign seed. Ocean freight situation has been alleviated somewhat in recent months but as traffic increases the burden of cost will again mount, soon forcing oil prices into the higher brackets without benefit to any of our own nationals.

The problem of flaxseed supply is as great as it was a year ago, even two years ago when there was not the emergency that now exists. Thorough development of the domestic flax production to a point where the United States will be independent of foreign countries for basic supplies means much to the defense program and to the growers, processors and manufacturers that have to pay the taxes that are necessary to carry on the program.

Commodity Trading Reports Ordered by Sec. Wickard

Regulations requiring daily reports to the Commodity Exchange Administration from futures commission merchants and large traders in lard, tallow, cottonseed oil, soybean oil, cottonseed meal, and soybean meal, all recently placed under Federal regulation, have been issued by Secretary of Agriculture Claude R. Wickard. The order becomes effective March 17.

The reports will show the volume of futures trading and open contracts in the commodities named. In lard and tallow transactions, futures commission merchants also must report daily to the administration individual customers' accounts having open contracts in one future at one market equaling or exceeding 750,000 pounds. Individual traders with open contracts of that amount must also report daily. The corresponding figure for cottonseed oil and soybean oil is 900,000 pounds; and for cottonseed meal and soybean meal, 1,000 tons.

C. W. Hess Company, manufacturers' agent, Detroit, has named David H. Osgood to cover the Michigan territory in technical sales work.

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Oils, Fats, and Waxes

Cottonseed and Lard Lead Other Oils and Fats Upward—Many Products in Light Supply — Tallow Sells at 6¼ Cents —Soybeans and Flaxseed Higher—Business Increasing

A decidedly firm tone continued to prevail in the market for vegetable, animal and fish oils, fats and greases last week, the price trend still being upward. Cottonseed oil and lard futures established new high levels and the REPORTER'S index number showed a further substantial increase. Business again expanded and in some instances transactions for the week would apparently have been larger than they were but for the inadequate stocks available. Many products appeared to be in unusually light supply on spot and in the case of imported commodities offerings for shipment were also limited at high prices with much uncertainty existing as to the arrival of such products in view of the increasing shortage of ocean tonnage.

The Department of Agriculture announced that the effective date of the daily reporting requirements under the Commodity Exchange Act, applicable to large individual traders in cottonseed oil, soybean oil, lard, tallow, cottonseed meal and soybean meal has been postponed to April 15. The daily reporting requirements applicable to the clearing members of contract markets for these commodities, and to futures commission merchants, became effective March 17.

Vegetable Oils

Castor, Dehydrated.—Steady contract movement. New business broadening. Market firm.

Chinawood. — Inquiries received more numerously. Primary situation strong. Local market strong at ½c. advance. Stocks diminishing. Arrivals at New York last week 638 tons.

WASHINGTON, March 15.—According to radiograms from American consulates in China, tung oil was more active at Hankow during February, Japanese firms purchasing 750 tons for army use and 500 tons additional for March shipment. Market opened at 210 Chinese dollars picul; closed at 230 Chinese dollars. Estimated stocks close of February, 2,000 short tons. Hongkong arrivals during February only 87 tons owing to Japanese blockade. Chinese government stocks believed very light.

Coconut. — Stronger with copra. Crude nominally quoted at 4½c. Edible sales at 9¾c. per pound, less car lots, returnable drums. Copra 2½c., Coast, nominal. Copra imports from Philippine Islands seven months ended January 342,079,000 pounds; last year 315,532 pounds. Coconut oil imports seven months 217,578,000 pounds; last year 179,194,000 pounds.

Corn.—Firmer with other oils. Quotations up ¼c. to ½c. Inquiry increased. Crude offerings light.

Cottonseed.—Edible oil prices up ½c. Demand increased.

Oiticica.—Inquiry stimulated by recent developments in competing oil. Offerings light, spot and shipment. Market firm.

Olive.—Supplies light and diminishing. Inquiry active. Denatured reported sold at $2.35 to $2.40 per gallon; edible $3.50 to $3.65 per gallon; foots 11½c. to 12c. per pound. Edible oil imports seven months ended January 15,143,000 pounds; last year same time 23,331,000 pounds. Inedible seven months 12,887,000 pounds; last year 20,574,000 pounds.

Palm.—Offerings light. Tone firm. Niger sold on spot 4½c. per pound, drums. Softs, shipment, 3⅝c. per pound; Sumatra 3⅝c. to 3¾c. Imports seven months ended January 146,664,000 pounds; last year 159,515,000.

Peanut.—Quotations ¼c. to ½c. higher. Increased inquiry. Prospective 1941 acreage 2,396,000 against 2,390,000 acres last season.

Soybean.—Oil prices up with beans and competing oils. Demand increased. Crude sales reported 6¼c. to 6⅜c. per pound in tankcars, mill points. Asked prices ¼c. higher later. Exports seven months ended January 8,107,000 pounds; last year 8,846,000 pounds. Proposed bean acreage March 1 this year 9,788,000 acres against 10,528,000 acres last season.

Price Changes

Advanced

Candelilla wax, ¼c. per lb.
Chinawood oil, ½c. per lb.
Coconut oil, crude, ¼c. per lb.
Coconut oil, refined, 1c. per lb.
Cod oil, Newfoundland, 5c. per gal.
Copra, ¼c. per lb.
Corn oil, crude, ¼c. per lb.
Corn oil, refined, ½c. per lb.
Cottonseed oil, crude, ¼c. per lb.
Cottonseed oil, edible, ½c. per lb.
Grease, ½c. per lb.
Lard, 50c. to 75c. per 100 lbs.
Lard compound, 25c. per 100 lbs.
Lard oil, ⅜c. to ½c. per lb.
Linseed oil, 2-10c. per lb.
Neatsfoot oil, ½c. per lb.
Olive oil, denatured, 5c. per gal.
Olive oil, edible, 10c. per gal.
Olive oil foots, 1c. per lb.
Palm oil, ½c. to ¼c. per lb.
Peanut oil, crude, ¼c. per lb.
Peanut oil, refined, ½c. per lb.
Red oil, ½c. per lb.
Sardine oil, crude, 4c. per gal.
Sesame oil, crude, ¼c. per lb.
Soybean meal, $1 per ton.
Soybean oil, ½c. per lb.
Stearic acid, ½c. per lb.
Stearin, ¾c. per lb.
Tallow, ½c. per lb.
Tallow oil, ½c. per lb.
Teaseed oil, crude, ¼c. per lb.

Reduced

Bayberry wax, 1c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
129.6	125.2	118.8	106.3

Market news that may have developed after this report was sent to press will be found on page 4.

Teaseed.—Crude sales 17½c. per pound, up ¼c. Refined quoted 20c.

There was no trading in soybean oil futures on the New York Produce Exchange, from March 15 to March 21, inclusive. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
May	...	...	6.50@7.00
July	...	...	6.50 bid

Markets at Other Centers

San Francisco, March 18.—Vegetable oils in upward trend. Business fairly active.

COCONUT.—Market rising. Sellers not anxious move, owing to lack of replacement material.

CHINAWOOD.—Quoted at 27½c. per pound in tankcars, f.o.b. Pacific Coast ports. Drums, 28c.

COTTONSEED.—Firm. Domestic bleachable cottonseed oil 6⅞c. per pound in tankcars, f.o.b. northern California.

BABASSU.—Strong and scarcity of kernels. Quoted nominally 6⅞c. per pound in tankcars, f.o.b. Pacific Coast mills.

PALM KERNEL. — Strong. Kernels scarce. Quoted at 4¼c. per pound in tankcars, f.o.b. Pacific Coast mills.

WALNUT.—Crude California walnut oil quoted at 7½c. per pound in tankcars, f.o.b. Pacific Coast.

SESAME.—Very little available. Crude quoted 8¼c. per pound in tankcars, f.o.b. Pacific Coast mills.

Chicago, March 21.—Vegetable oils more active.

COCONUT.—Refined, edible, 8¼c. to 8½c. per pound, drums, car lots; 8¾c. to 9c., less car lots.

CORN.—Crude, mills, 6¾c. to 7c. per pound. Refined, edible, 8¾c. to 9c., barrels, car lots; 9c. to 9¼c., less car lots.

SOYBEAN. — Crude, March-forward, 6⅜c. to 6½c. per pound.

The market for soybeans on the Chicago Board of Trade was active and stronger. Following is a soybean price record, per pushel, for the week:—

	High.	Low.	Closing Mar. 21.	Mar. 14.
Cash, No. 2.	$1.08	$1.02¼	...	...
May	1.00½	.99	1.05	$0.98⅝
July	1.07	.99½	1.02⅝	.95½

Linseed Oil

Flaxseed markets firmer. Linseed oil advanced. Cake and meal steady.

Flaxseed—DULUTH, March 21.—Flaxseed prices strengthened by good cash demand. The week's closing price range was as follows:—

	Cash.	May.
Saturday	$1.77½	$1.70½
Monday	1.78½	1.71½
Tuesday	1.80¾	1.73
Wednesday	1.80	1.75
Thursday	1.80½	1.73½
Friday	1.80¼	1.73¼

Crop movement in bushels follows:—

	Receipts— 1941.	1940.	Shipments— 1941.	1940.
This week	4,976	.....	.....	.....
Since Aug. 1.	6,204,320	4,874,247	4,356,767	3,904,216

MINNEAPOLIS, March 21.—Tone of the Minneapolis flax market was stronger compared with futures and liberal offers met with ready demand. Local storage stocks of flax have been whittled down steadily during the winter and now are down to or below normal. Trade in futures is spasmodic. Commission houses offered fresh hedges for several days and now are trying to get them back as car lots are disposed of in the cash department.

The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$1.76½	$1.70½	$1.70½
Monday	1.77½	1.71½	1.71⅝
Tuesday	1.79¼	1.73¼	1.73
Wednesday	1.81	1.75	1.75¼
Thursday	1.79½	1.73½	1.73
Friday	1.79¼	1.73¼	1.73⅛

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Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

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Light Cold Pressed Alkali Refined
Pale Blown Pale Kettle Bodied
Enamel Oils

High Iodine Value Low Acid Number
Low Cold Test Uniform Quality

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R. B. HUBER 216 Tremont St. Boston, Mass.

Crop movement in bushels follows:—

	Receipts 1941.	Receipts 1940.	Shipments 1941.	Shipments 1940.
This week	158,000	25,200	8,400	31,800
Since Sept. 1	9,275,600	2,963,800	1,562,400	1,875,630

WINNIPEG, March 21.—The week's closing flaxseed price range was as follows:—

	Cash.	May.	July.
Saturday	$1.70	$1.71⅛	$1.67⅝
Monday	1.72½	1.74	1.71⅛
Tuesday	1.76⅛	1.78	1.75⅛
Wednesday	1.78	1.79½	1.76¼
Thursday	1.77⅝	1.79¾	1.77½
Friday	1.77	1.75½	1.76⅝

BUENOS AIRES, March 21.—Flaxseed, April, 70c. per bushel. Exports this week 342,000 bushels, including 201,000 bushels to the United States. Totals since January 1, as follows:—

To—	Bushels This year.	Bushels Last year.
United States	2,653,000	4,934,000
United Kingdom	621,000	4,340,000
Continent	161,000	6,503,000
Orders	.....	598,000
Others	215,000	83,000
Totals	3,650,000	16,458,000

Visible Supply

	Bushels.
Last week	6,299,000
Previous week	5,906,000
Last year	5,906,000

Linseed Oil.—The trend of flaxseed prices was upward at times in domestic markets last week and the local linseed oil situation was stronger, quotations being advanced two points by crushers. An increase was noted in the volume of inquiries received in some quarters, interest in the situation being stimulated by developments in other commodities, though actual transactions apparently did not involve important quantities. Crushers reported a steady movement into consuming channels on contracts, shipments from this center being sufficient to prevent any additions of importance to stocks at the mills. Advices from some outside points reported an increased demand and steady contract withdrawals. A good demand for cash seed was reported in Northwestern markets. The proposed acreage for the coming season was put in an official government report at 3,341,000 acres against 3,403,000 acres last season. According to a report from Argentina, exporters in that country now hold about 5,900,000 bushels of seed at the ports while stocks in the hands of country dealers have risin to 30,500,000 bushels, the bulk of which is supposed to have been taken by the government at the fixed minimum price of 70c. per bushel.

MINNEAPOLIS, March 21.—Linseed oil buyers are interested in cooperage or tankcar lots for fairly near shipment because they used up supplies contracted for in less time than they expected. Argentine news remains bullish. It looks as though users of oil would have to depend largely on domestic flax for their oil this season. Shipping instructions on oil continue good.

Quotations on tankcar lots 9c. per pound; cooperage car lots 9.7c. per pound; warehouse lots 10.1c. per pound, f.o.b. Minneapolis.

Shipments of oil in pounds were as follows:—

	1941.	1940.
This week	4,500,000	2,520,000
Since Sept. 1	96,430,000	85,020,000

SAN FRANCISCO, March 18.—Linseed oil quiet. Tankcars, 9c. per pound; drum car lots, ex-mill, 9.7c.; drum lots, ex-warehouse, 10.1c.

Cake and Meal.—A steady movement of meal was reported on contracts and transient orders. Cake quiet. Prices maintained.

MINNEAPOLIS, March 21.—Severe weather stimulated some late buying of linseed meal and cleaned up enough stock in second position to encourage handlers to buy in for shipment as late as next May 15. Crushers continue confident and are not pressing the market and competition of other concentrates is moderate.

Quotations on carload lots, f.o.b. Minneapolis, 100-pound sacks, $27.50 to $28 per ton.

Shipments of meal in pounds were as follows:—

	1941.	1940.
This week	6,800,000	2,720,000
Since Sept. 1	235,021,060	126,100,000

Cottonseed Oil

Refined oil futures active at a further advance. Southern markets for cottonseed products ruled firm.

Cottonseed Oil.—Bullish sentiment was still prevalent in the market here for refined cottonseed oil futures last week and prices continued to rise. New high levels were established. Trading was active. Commission house business broadened, outside in-

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Warehouse Stocks at CHICAGO — CLEVELAND — LOS ANGELES — OAKLAND, CALIF. — SAN FRANCISCO — SEATTLE

terest in the market being stimulated by the strength of other commodities, the reported purchase of approximately 12,000,000 pounds of lard by the government supposedly for export to Britain; by the prospect of a further curtailment of the next cotton crop to less than 10,000,000 bales, and by a shortage of products which compete with cottonseed oil. On advances liquidation for account of local and other longs was rather liberal at times, but offerings were well absorbed.

At around 8 cents for July local interests were disposed in some cases to sell on the belief that a reaction was due on technical conditions alone if for no other reason, but the selling was not of an aggressive character. Southern markets for crude cottonseed oil were active and strong. Large sales were reported in the Southeast and other sections at 6½c. or higher. Seed was still reported in upward tendency. Soybeans were sharply higher and liberal transactions in soybean oil were noted at rising prices. Tallow sold at 6¼c., the highest price recorded since the Fall of 1939. Copra and coconut oil were scarce and nominal quotations were higher.

The proposed soybean acreage for the coming season was put in an official report at 9,788,000 acres, against 10,528,000 acres last season. The excess of supplies of lard in Chicago as compared with the previous year has been steadily decreasing in recent months and stocks there on March 15 were only 30,000,000 pounds larger than a year ago. Hog receipts were moderate and the trend of hog prices was upward at times. The weight of the hogs received in Chicago during the week ended March 15 averaged 255 pounds, against 250 pounds in the previous week. Abnormally cold weather was reported in parts of the cotton belt. The quantity of cotton ginned for the 1940-1941 season was 12,553,968 bales.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from March 15 to March 21, inclusive, comprised 2,707 contracts. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
May	7.94	7.32	7.67@7.70
July	8.01	7.40	7.74@7.75
September	8.16	7.55	7.87 sale
October	8.20	7.61	7.90 sale

Crude, Southeast, .06¾.

Chicago, March 21.—Cottonseed oil active. Refined, edible oil is 8c. to 8¼c. per pound, drums, car lots; and 8½c. to 8¾c., drums, less than car lots.

Cake and Meal. — Meal trade increased. Spot prices ruled firm. Offerings light.

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(OLEIC ACID)

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Markets at Other Centers

Atlanta, March 19.—Prime crude cottonseed oil, 6¾c. per pound. Meal, 8 percent, $23.25 per ton. New crop work retarded by bad weather.

Memphis, March 21.—Cottonseed products active and firm. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	March 13.	March 20.
March	$23.75@24.00	$24.50@——
May	23.90@24.25	24.75@25.10
July	24.10@24.25	25.10@——
September	24.50@25.00	25.50@——
October	24.75@25.25	25.60@25.85

Closing soybean meal futures:—

March	$22.50@——	$23.75@——
May	22.75@——	23.75@24.25
July	22.50@23.00	23.50@23.90
October	22.55@——	23.30@23.70.

Fatty Acids

Capric Acid.—Firm at recent advance. Trade improved.

Castor Oil.—Increased movement on contracts and new orders. Tone firmer.

Coconut Oil. — Demand stimulated by recent developments in basic material. Market firm.

Linseed Oil.—Increased demand for moderate lots. Market firm.

Red Oil.—Output moving steadily to local and other consumers. Market firm.

Soybean. — More active owing to strength of raw material. Tone firmer.

Stearic Acid.—Further advance in tallow. Stearic acid movement broader. Market firm.

Tall Oil.—Domestic business good. Market steady. Exports in January 558,582 pounds.

Chicago—March 21

Fatty acids more active and firmer. Corn oil, double distilled, 8½c. to 8¾c. per pound, tanks; 9c. to 9¼c., drums, car lots; coconut oil, acidulated, 9½c. to 9¾c. per pound, tankcar; cottonseed oil, double distilled, 7¼c. to 7½c. per pound, tankcar; 7¾c. to 8c., drums, car lots; settled cottonseed soap stock, 60-62 percent basis, 2½c. to 2¾c.; boiled down soap stock, 65 percent basis, 3½c. to 3¾c.; cottonseed foots, 50 percent basis, 1⅜c. to 1½c.

Fish Oils

Cod.—Offerings light. Market firmer. Quoted locally 70c. per gallon, nominal, for Newfoundland oil. Imports in January 61,893 gallons.

Sardine.—Refined oil firm at recent advance. Fair demand. Supplies light.

Sperm.—Fair demand for moderate lots. Quotations maintained.

Whale.—Prices unchanged. Tone firm. Fair small-lot demand.

Markets at Other Centers

Baltimore, March 19.—Crude menhaden holders show little disposition to part with the small supplies remaining unsold. Price tendency appears to be upward with competing products.

San Francisco, March 18.—Crude sardine oil rose to 54c. per gallon. Spot oil scarce and held by resellers. Producers are hard-pressed to fill commitments. Actually, there has been less than 1,000 tons of fish received at the Southern California plants during the last two weeks. Negotiations still in progress between the producers and the boat owners towards getting a price settlement established for California fishing operations for next season. Trade of the opinion that some sort of an agreement may be reached within the next ten days.

E. A. BROMUMD COMPANY

Diamond Brand
Yellow Beeswax
Refined

258 BROADWAY, NEW YORK CITY
BArclay 7-8445 Est. 1880

Fats and Greases

Grease.—Sales of house and yellow reported at 5⅞c. per pound. Spot stocks light.

CHICAGO, March 21.—Choice white grease, 5⅞c. to 6c. per pound; yellow, 5¼c. to 5⅜c.

Lard.—Local cash trend upward with futures. Demand better. Large purchases in West, supposedly for export to Great Britain.

CHICAGO, March 21.—Following is a lard price record, per 100 lbs., for the week:—

	High.	Low.	Closing— Mar. 21.	Mar. 14.
Cash	$7.40	$7.07	$7.35	$6.90
May	7.57	7.02	7.37	7.00
July	7.77	7.25	7.55	7.17

Stearin.—Firmer with other commodities. Supplies light. Nominal quotations up about ½c. to ¾c.

CHICAGO, March 21. — Prime oleo stearin, 6¼c. to 6½c. per pound.

Tallow.—More active and firmer. Sales at 6¼c. per pound for extra, an advance of ½c. Offerings light on rise.

CHICAGO, March 21.—Inedible tallow, prime, 5¾c. to 5⅞c. per pound.

Trading in tallow futures on the New York Produce Exchange from March 15 to March 21, inclusive, consisted of one contract. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
May	6.45	6.45	6.45 sale
July	...	...	6.60@6.75

Animal Oils

Degras.—Good inquiry for common and neutral. Local stocks generally light or moderate. Prices maintained.

Lard.—Stronger with basic material. Prices up ⅜c. to ½c. Fair demand.

CHICAGO, March 21.—No. 1 lard oil, 8c. to 8¼c. per pound.

Neatsfoot. — Quotations on most grades ½c. higher. Increased request for moderate lots.

Oleo.—Fairly active demand from local and other consumers. Market steady.

CHICAGO, March 21.—Extra oleo oil, 7¼c. to 7½c. per pound.

Tallow.—Stronger with raw material. Prices up ½c. Fair inquiry.

CHICAGO, March 21.—Acidless tallow oil, 7¾c. to 8c. per pound.

Waxes

Bayberry.—Shaded to 18c. to 20c. per pound. Dull.

Bees. — Apparently steady despite reports of price shading on white wax. Crude prices holding well, especially for bleachable varieties. January importations by countries were:—

Guatemala	3,164
Salvador	1,049
Mexico	8,443
Cuba	95,079
Dominican Republic	36,904
Brazil	112,029
Chile	63,950
Peru	1,460
Uruguay	604
Iran (Persia)	895
Belgian Congo	5,639
Egypt	10,648
Morocco	1,138
Other Portuguese Africa	127,729
Total	468,731

Candelilla.—Higher. Ton lots, 20¾c. to 21c. per pound; jobbing lots, 21¼c. to 21½c. Under close control due to cooperative marketing in Mexico.

Carnauba.—Occasional price shading declared out of line with the well maintained prices in Brazil. Substantial business done. Leading importers not disposed to shade open quotations.

Japan. — Quiet. Limited demand. January imports totaled 609,280 pounds. Fair stocks here.

Int'l Agricultural Merger With Union Potash Delayed

Union Potash & Chemical Company stockholders' meeting called to vote on a merger with International Agricultural Corporation was postponed to permit Union officers to seek better terms. Stockholders of the Texas Potash Corporation, which owns 12 percent of Union's stock, voted 25,000 shares to 13,000 against the merger. International Agricultural owns 94.89 percent of Union's preferred stock and 55.86 percent of its common stock.

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MEMPHIS, TENNESSEE

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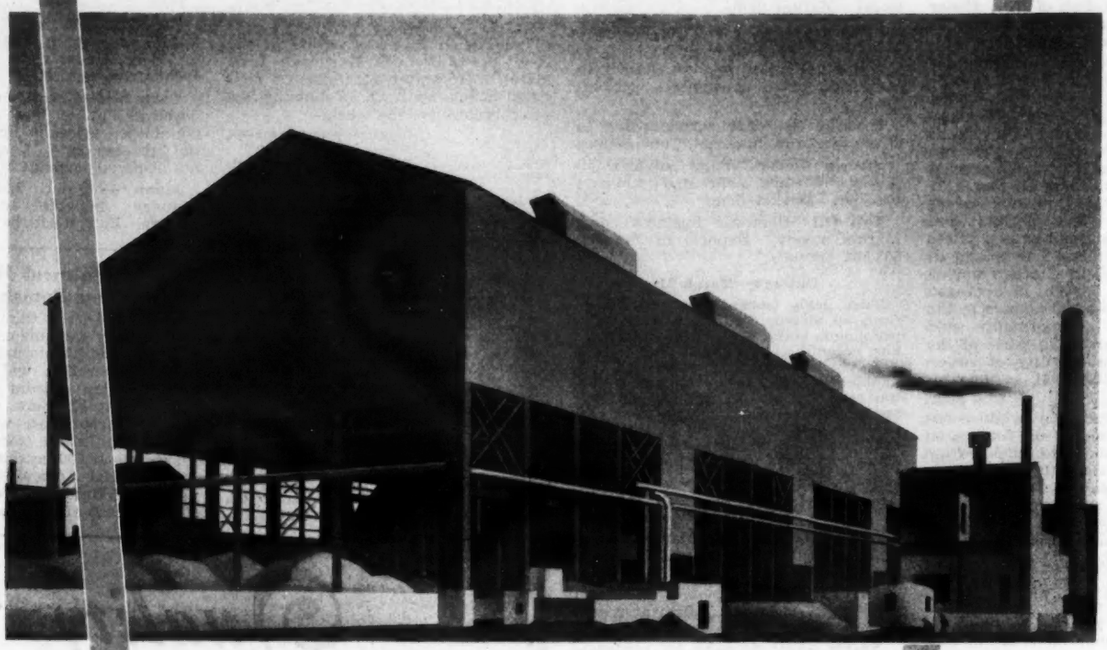

Still further expansion has been undertaken by the world's largest producer of phosphorus and phosphoric acid. To serve industry's increasing demand for phosphorus and phosphorus products completely... promptly... economically, another large electric furnace has been added to the battery housed in the building above, at our Monsanto, Tennessee, plant. Phosphate rock from extensive Monsanto-owned properties surrounding the plant is reduced in these furnaces to elemental phosphorus which exceeds 99.9% purity. Industry, thus, is assured a plentiful supply of pure phosphoric acid and phosphates.

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Phosphoric Acid (Ortho)
Tetra Phosphoric Acid
Ferro Phosphorus
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Phosphoric Acid Paste
Ammonium Phosphates
Mono Sodium Phosphate
Di Sodium Phosphate
Tri Sodium Phosphate
Sodium Acid Pyrophosphate
Tetrasodium Pyrophosphate
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Special Phosphates

MONSANTO CHEMICALS
SERVING INDUSTRY... WHICH SERVES MANKIND

Drugs, Fine Chemicals

Blackstrap Molasses Stronger and Higher — Natural Methyl Acetone Up—Spot Cocoa Butter Confined to Secondhands —Corn Syrup Up — Mercury Output to Rise

Activity in drugs and fine chemicals continued excellent throughout the past week. Basic commodities experienced a demand sustained at excellent volume and pressing more and more for larger and more frequent deliveries. Prices were either very firm or actually strong and for the most part had an upward tendency.

Readjustment of alcohol prices will become effective April 1. Most denatured alcohol formulas have been extended as to price but there have been a few changes both up and down, mainly in keeping with the prevailing position of denaturants.

Natural methyl acetone made by one group of producers was advanced late in the previous period. A check with another group revealed their prices to be unchanged. Actual ability to make prompt deliveries is an important consideration in the price position of the item.

Quicksilver remained strong on spot, being in low supply here as well as in the primary market. Mercurials could be nothing less than very firm. Strychnine salts were destined for firmer position due to laid down spot cost of raw material.

Imports of coal-tar synthetic medicinals and pharmaceuticals into the United States in 1940 decreased to 8,683 pounds with a foreign invoice value of $65,246 from 29,786 pounds, foreign invoice value $215,643 in 1939. Among the principal items included (with 1939 figures in parenthesis) in 1940 were: benzyl ephedrine hydrochloride, 110 pounds (none); cinnamyl ephedrine hydrochloride, 334 pounds (733); b-Naphthol benzoate, 100 pounds (110); sodium salicylate, 2,215 pounds (672); 2-methoxy-6:9-dichloracridin, 897 pounds (1,188).

Price Changes

Advanced

Castor beans, $2 per ton.
Corn syrup, 10c. per 100 lbs.
Cocoa butter, 4½c. per lb.
Methyl acetone, natural, 3c. per gal.
Molasses, blackstrap, ½c. per gal.

Reduced

None

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
207.7	207.3	206.7	198.2

Market news that may have developed after this report was sent to press will be found on page 4.

Acetanilide.—Some gain in activity. Well stabilized.

Acetone. — No change forecast for April 1 prices.

Acid, Acetylsalicylic. — Firm. Good demand. Volume steady.

Acid, Tartaric. — Resale item reported around 65c. per pound. Makers quote 57½c. per pound minimum but show reserve in taking new business.

Alcohol.—No change in the basic price for second quarter business. Pure alcohol, 190 proof, tanks, base price, 24½c. per gallon. Specially denatured alcohol 2-b will be extended at a price of 22½c. Change in cost of denaturants has forced refiguring of sales prices on all formulas. Certain price adjustments for the second quarter made to reflect changes in cost of denaturants. Some formulas unchanged; some up slightly; some down similarly. All grades pure alcohol extended to June 30 at existing prices. SD 2B extended to June 30. Also, 12A, 23A, and 23H extended to June 30. Proprietary solvent to rise ½c. Also 1c. rise in SD No. 1.

Ammonia Citrate.—Demand upped modestly. Well stabilized prices.

Ammonia Phosphate. — Firm and thoroughly stable. Steady call.

Antipyrene.—Doing well at full market prices. Reserves ample.

Argols.—Prices very high in markets able to ship to U. S.

Bismuth Metal and Salts.—Steady business. Trade normal. Undertones turn firmer.

Borax.—Very firm. Business excellent. Rising demand reaches some distributors.

Cadmium.—Metal strong at nominal prices. Ready market for all available. Strength clear in derived products.

Caffeine.—Less heard of resale material. Producers' careful adherence to cautious sales policy bears satisfactory fruit. Actual needs of regular consumers being met.

Calcium Glycerophosphate.—Stable prices and demand. Firm undertone.

Castor Oil.—Beans stronger at $57 per ton. Beans on freight priority list. Cultivation increasing in West Indies islands. Oil firm. In good demand. Placed on critical list subject to automatic assignment to priority ratings by Army and Navy.

CHICAGO, March 19.—Castor oil prices are:—Cold pressed, U.S.P., barrels, car lots, 10⅝c. per pound; barrels, less than car lots, 11⅜c.; returnable drums, car lots, 10⅜c.; drums, less than car lots, 11⅛c.; tanks, 9⅞c.; extracted, No. 3, barrels, car lots, 10½c.; barrels, less than car lots, 10⅞c.; returnable drums, car lots, 9c.; drums, less than car lots, 10⅜c.; tanks, 9⅜c.

Cinchophen. — Steady. Demand about normal. Deliveries prompt.

Cocoa Butter.—Higher spot at 23c. per pound, car lots. Available only from secondhands. Producers offer nothing prompt. They name 21.80c. per pound for November shipment.

Codliver Oil.—Newfoundland winter fishing making fair progress. Continues to middle of April. All last season's oil sold. Winter-manufactured oil well sold ahead at high prices. Summer fishing will bring oil offers next July and August.

Corn Syrup.—Advanced 10c. per hundred pounds. Market:—42 degree syrup, $3.52; 43 degree, $3.57.

Coumarin.—Fairish and very steady consumption. Prices firm.

Cream of Tartar.—Strong and gaining strength daily.

Emetine. — Firm. Demand about normal. Raw material steadier.

Ephedrine.—No special pressure of demand. Low, steady prices.

Epsom Salt.—Firm. Little competition. Normal consumption.

Ethyl Acetate. — Second quarter business in N. F., item possible at

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Amer. Drug Mfrs. Ass'n, May 5-8, White Sulphur Sprs.
Proprietary Ass'n, May 12-14, New York.
Purchasing Agents Ass'n, May 26-29, Chicago.

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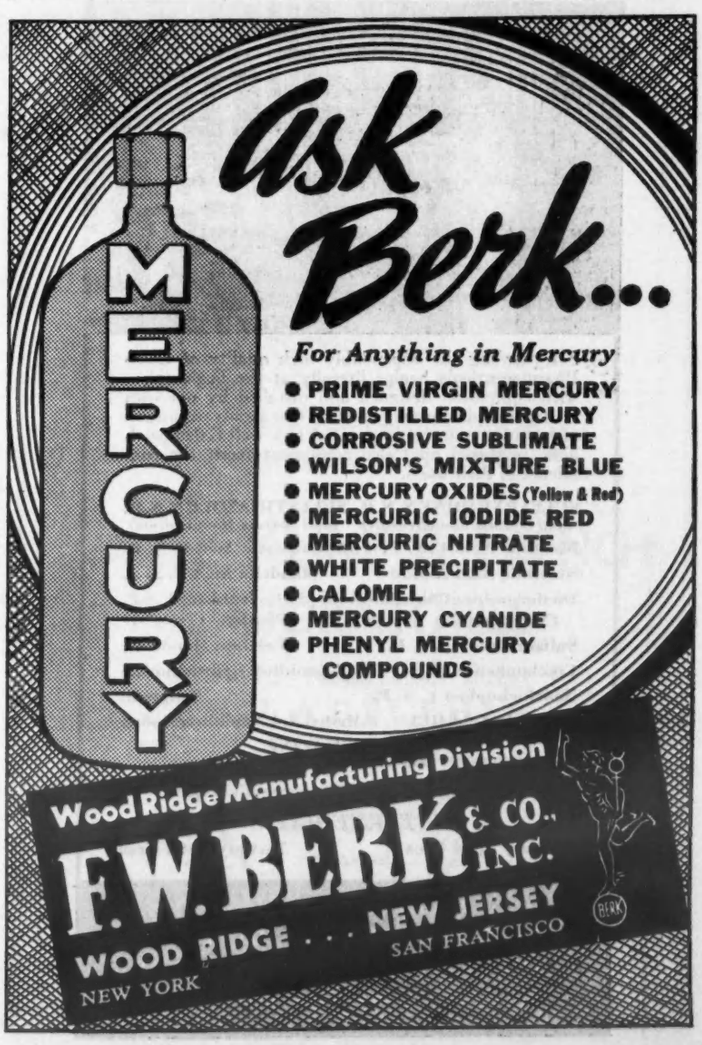

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prices unchanged from current levels.

Fish Liver Oils.—No change in strong position. Supply under demand. Consumption likely to grow. Shortage codliver oil met in part by sales of other fish liver oils.

SAN FRANCISCO, March 18.—Vitamin fish oils underwent little change. No new price trend. More inclination to offer medium potency A materials. Little better supply. However, both high and low bracket A oils are not being pushed. D oil from tuna is very strong.

Ruling prices are:—

CRUDE SOUPFIN SHARK LIVER OIL.—High potency, 100,000 U.S.P. units, vitamin A per gram, 8c. per million units, f.o.b. Pacific Coast, in drums; medium potency, 50,000 to 80,000 units, 6½c.; 25,000 to 50,000 units, 5c. to 5½c.

CRUDE SOUPFIN SHARK LIVER AND OTHER SHARK OIL. — Lower potency, upwards of 10,000 units, 4c.

CRUDE TUNA LIVER OIL.—Ranging in potency, 20,000 vitamin D units per gram or better, 65c. per million units.

Formaldehyde. — Production reported absorbed as ready. Undertones strengthening. Resellers getting price premiums.

Glycerin.—Very firm. Consumption on industrial account running high. Use of explosives in construction operations accounts for high production of dynamite. Market very firm. Little competition.

CHICAGO, Mar. 19. — Glycerin prices are:—Chemically pure, 12¼c. per pound, tanks; 12½c., drums; car lots, 13c.; drums, less than car lots; high gravity, 11¾c. per pound, tanks; 12c. drums, car lots; 12½c., drums, less than car lots.

Magnesia. — Consumption running well to normal. Price structure firm.

Magnesium Trisilicate. — Firm to steady. Call routine. Volume normal.

Menthol.—No further price rise. Very steady. Lacks much activity.

Mercurials.—Very firm. Strong raw material reflected. Good demand.

Methanol.—Extension of present price schedule forecast. Stronger.

Methyl Acetone. — One natural methyl acetone producer group advanced 3c. late in previous period. Made tanks 35c. per pound. Group still quoting 32c. late last week believed unable to offer. Synthetic held firm at 37½c.

Methylethyl Ketone.—Rise of ½c. confirmed for April 1. Tanks will be 6½c. per pound minimum.

Molasses.—Blackstrap higher. North Atlantic ports, tanks, 7½c. per gallon. Gulf ports, 7c. Steady gain in strength reported.

Quicksilver. — Strength unchanged. Spot stocks short. Pacific Coast production well sold ahead. Output should gain with arrival of Spring weather. Production less than consumption needs. January production off 16 percent, per Bureau of Mines. Was 3,100 flasks. January consumption, 2,900 flasks, up 800 flasks. Consumer and dealer stocks 14,100 flasks January 31. January exports were 455 flasks. Producers stocks, 412.

SAN FRANCISCO, March 18.—Very little quicksilver here. Shippers very

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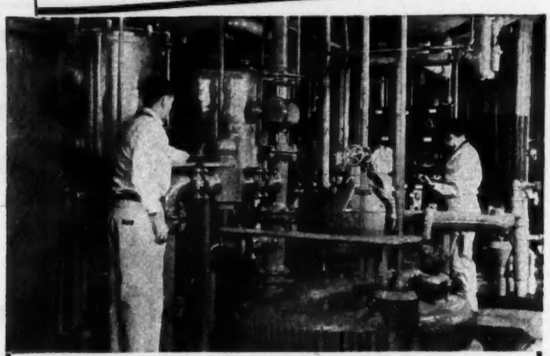

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Nicotinic Acid Amide
Mandelic Acid U. S. P.
Diethylamide of Nicotinic Acid (Nikethamide)
Methylene Blue U.S.P. (Powder—Crystals)
Sulfanilamide U. S. P.
Calcium Mandelate
Cinchophen N. F.
Guanidine Hydrochloride
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active in getting every flask possible from the mining properties. Production prospects brighter due to fair weather. Not enough metal to fill the current requirements of market. Quoted here at $178 per flask in small lots.

Quinine. — Domestic requirements covered for at least two years. Some say three years. Japan continued to eye Netherlands East Indies, prime source of cinchona bark. South and Central America gaining importance as bark source. Japan has cultivation projects there.

Rochelle Salt.—Strong in all aspects. Very good demand. Not too ample supply.

Santonin.—Strong undertones. Demand not pressing. Stocks moderate.

Seidlitz Mixture.—Good demand. No surplus supply. Production cost high. Sellers reserved.

Silver Nitrate. — The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday 24		34⅝	23½
Monday 24		34⅝	23½
Tuesday 24		34⅝	23½
Wednesday 24		34⅝	23½
Thursday 24		34⅝	23½
Friday 24		34⅝	23 7/16

Soda Benzoate.—Demand bracing. Firmer undertone and prices.

Soda Bicarbonate.—U.S.P. in normal request. Price stability featured.

Soda Citrate.—Call stabilized in keeping with producers' guarantee against price advance.

Strontium Carbonate.—Market still nominal.

Strychnine.—Firmer in sympathy with steady increase in cost of raw material laid down here. More active season at hand.

Thymol.—Fair consumption. Supply adequate. Stable prices.

Venice Turpentine.—Stocks almost extinct. Very poor distribution of supply. Prices about nominal.

Zinc Oxide.—Supplies U.S.P. item low. Demand active.

Zinc Stearate.—U.S.P. still selling at 23c. to 26c. per pound, as to quantity.

Druggists to Be Sued For Selling Rx Drugs

—Continued from page 3

strictions on sales of prescription-legend goods. In the District of Columbia, for example, inspectors made only one purchase out of exactly 100 attempts.

On several occasions the Food and Drug Administration has called attention to a list of drugs which may not be sold except on prescription, and it has asked State health officials and State pharmaceutical associations to assist in enforcing this restriction. The administration considers it an act of misbranding to sell a prescription-legend drug without a prescription, relying chiefly on section 301(k) which makes it illegal to do any act with respect to a drug if such act is done while such article is held for sale after shipment in interstate commerce and results in such article's being misbranded.

When a citation is received by a druggist he is given an opportunity to reply in person or by agent or by letter to the nearest F.D.A. field station and to make any explanation he desires as to why he sold the prescription-legend drug to the inspector without a prescription. If satisfactory explanations are not made, the administration intends to turn all the cases over to the Department of Justice for prosecution.

Quaker Oats Co. Plans Grass Vitamin Production

The Quaker Oats Company, Chicago, has purchased substantial interest in patents held by American Dairies, Inc., for the extraction of high vitamin products from young grass. Quaker Oats and American Dairies have formed a new company known as Cerophyl Laboratories, Inc. Headquarters for the new company will be in Kansas City, Mo. Quaker Oats has also acquired an interest in the Greenmilk Company, Ltd., Guelph, Ont.

DCAT Dinner List Available

The REPORTER has a limited supply of copies of the seating list of members and guests in attendance at the sixteenth annual dinner of the Drug, Chemical and Allied Trades Section, held in the Waldorf-Astoria hotel, March 13. A copy of the list, which also carries the company identification of the diners, may be obtained at the editorial offices in 59 John street.

Oleovitamins Are New U.S.P. Preparations

Oleovitamin A and D is authorized in interim revision announcement No. 3 for the Pharmacopeia of the United States as a product of codliver oil potency, which is another fish-liver oil, or a dilution of a fish-liver oil with an edible vegetable oil, or a solution of vitamin A and D concentrates in a fish-liver oil or an edible vegetable oil. Description and tests are included in the new monograph.

The same interim revision announcement also authorizes oleovitamin A to replace natural vitamin A in oil; concentrated oleovitamin A and D to replace natural vitamins A and D in oil; and synthetic oleovitamin D to replace activated ergosterol in oil.

Further information on the announcement may be got by communicating with the general chairman of the U.S.P. revision committee, Prof. E. Fullerton Cook, Forty-third street and Woodland avenue, Philadelphia.

International Vitamin Names Ansbacher Research Head

Dr. Stefan Ansbacher has been appointed director of research for the International Vitamin Corporation, this city, according to Dr. S. Lubarsky, president. Dr. Ansbacher received his education in Europe. He studied at the German Universities of Heidelberg, Tubingen, Freiburg, and at the Swiss University of Geneva. In 1923 he obtained the B. S. degree, in 1929 the M. S., and in 1933 he received his doctorate.

Dr. Ansbacher had been connected with the Borden Company, this city, for six years and his work on B-complex vitamins was rewarded with a silver medal from the American Medical Association in 1936. During recent years he has been associate in charge of vitamin research in the division of experimental medicine of the Squibb Institute for Medical Research. Dr. Ansbacher is recognized as the discoverer of the most potent synthetic substance with vitamin K activity.

United Drug Company Elects Joseph A. Galvin President

Joseph A. Galvin was elected president of the United Drug Company at its annual meeting, held March 11. He succeeds Louis K. Liggett, who was named chairman of the board. Mr. Galvin was formerly executive vice-president and treasurer. It was stated that William F. Davis would be named to the office of executive vice-president; while the duties of the treasurer's office will be divided between Irving W. Smead, as treasurer, and J. Rufus Sammons, as comptroller. Florin J. Hailer, formerly comptroller, was made vice-president in charge of purchases.

J.T. Baker Chemical Company Breaks Ground for New Units

Contract has been let and ground broken for two additional manufacturing units costing $60,000 for the J. T. Baker Chemical Company, Phillipsburg, N. J. The expansion will add another half-acre of buildings to the Baker chemical plant structures.

The two new manufacturing units will be for industrial chemicals. They will be of modern construction throughout, fireproof, rotproof and corrosive-resisting, it is stated.

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One of the many essential services to the drug and cosmetic industries rendered by the House of McKesson for more than a century is the importing and distributing of basic drug materials from all parts of the world. Improved, perfected and extended, this important service to the industry is now used by scores of manufacturers to help produce drug and cosmetic preparations which satisfy the exacting needs of millions of consumers. Inquiries welcomed.

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Trade Briefs

McKesson & Robbins, Inc., sale of drugs and sundries totaled $9,351,263, against $8,737,948 in February, 1940.

William D. Neuberg has retired from active participation in the business of the Neuberg Chemical Corporation, 441 Lexington avenue, this city. The management, personnel, and activities of the company remain otherwise unchanged.

Dr. H. Evert Kendig, dean of the School of Pharmacy of Temple University, will be the guest of honor at a testimonial dinner to be tendered him by the faculty and alumni of that school on May 8 in the auditorum of Mitten Hall, Temple University, Philadelphia.

Medical and Surgical Supply Committee of America, an aid-Britain group, announced that the first shipment of medical supplies, surgical instruments and concentrated foods to aid soldiers and civilians with the Free French Forces in Africa left New York during the first week of March.

What About Fair Trade? is the title of a thirty-two-page catechism newly published by the National Association of Retail Druggists, 205 West Wacker drive, Chicago. The association supplies copies of the booklet at $3 per hundred, with reductions on larger lots.

Alcohol Tax Differential Pushed by Flavorings Trade

In furtherance of the movement in Congress for a differentially lower tax on alcohol for nonbeverage purposes, the Flavoring Extract Manufacturers' Association is urging its members to communicate with their congressional represenattives and advise them to support the Kefauver bill (H.R. 3383).

The association has prepared a pamphlet containing factual data indicative of the heavy burden that is laid on industrial users of pure alcohol by the Federal tax of around twenty times the price of the material.

Continental Carbon Co. Expands Research Work

Continental Carbon Company has expanded its research facilities at Chicago. The laboratory is under direction of C. R. Johnson, who will be assisted by Dr. Leonard H. Cohan. Dr. Cohan, who will engage in fundamental carbon black research, received his bachelor's degree at Johns Hopkins University in 1932 and his doctorate at the same institution in 1935. His graduate work was specialized physical chemistry in the field of sorption and later he taught physical and quantitative chemistry, also at Johns Hopkins. From 1936 to 1940 Dr. Cohan served as research chemist for the Colloid Company of Baltimore. The company has located its research laboratory at 6130 West 51st street, Chicago, Illinois.

Dr. L. Cohan

U.S. Revenue Returns Show Gain in February

Collections of excise taxes by the Bureau of Internal Revenue, Washington, for February, 1941, compared with February, 1940, are as follows:—

Taxes Collected

	February 1941.	February 1940.
Coconut, etc., oils processed.	$2,139,703.63	$2,044,300.61
Distilled spirits, domestic, excise tax $3 per gallon	25,626,360.64	21,156,831.62
Distilled spirits, imported, excise tax $3 per gallon	2,010,992.01	1,269,757.24
Gasoline	28,785,830.33	18,392,568.84
Lubricating oils	2,216,132.49	2,636,429.70
Matches	1,007.34	1.10
Narcotics, including special taxes	26,440.45	14,037.28
Oleomargarin, excise taxes	79,143.00	77,375.44
Oleomargarin, special taxes	11,196.80	13,924.09
Toilet preparations	422,555.96	485,690.99
Transportation of oil by pipeline	926,523.78	1,009,274.92
Total internal revenue	$484,729,689.32	$385,011,680.32

Quantities Taxed

	February 1941.	February 1940.
Distilled spirits, domestic, tax gallons	8,685,812	9,566,852
Distilled spirits, imported, tax gallons	694,966	621,484
Distilled spirits, rectified, proof gallons	793	1,571
Oleomargarin, colored, pounds	38,350	30,958
Oleomargarin, uncolored	30,116,400	29,711,056

Acetic Freights Reduced

The New York Public Service Commission has approved new commodity freight rates of the New York Central on acetic acid and acetic anhydride, in tank cars, from stations East Buffalo to Suspension bridge inclusive to Nepperhan 33c. per hundredweight. Reduction from class rates. Effective April 10.

Coated Abrasive Products Trade Rules Available

OPD Washington Bureau
March 4, 1941

Printed copies of the third revision of simplified practice recommendation R89, coated abrasive products, are now available, the division of simplified practice, National Bureau of Standards, announced today. Copies of this recommendation, which is designated as R89-40, may be obtained from the Superintendent of Documents, Government Printing Office, Washington, for 5 cents each.

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CINCHOPHEN SODIUM
DEXTROSE
ETHYL GLYCOCOLL HYDROCHLORIDE
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NEO CINCHOPHEN
OXYQUINOLIN BENZOATE
OXYQUINOLIN SULPHATE
POTASSIUM OXYQUINOLIN SULPHATE
PHENOBARBITAL
PHENOBARBITAL CALCIUM
PHENOBARBITAL SODIUM
SODIUM DIPHENYL HYDANTOINATE
TETRA-IODO-PHENOLPHTHALEIN SODIUM
THEOPHYLLINE
BROMSTYROL
CINNAMIC ACID
DIACETYL
METHYL CINNAMATE
METHYL PHENYL ACETATE
PHENYL ACETIC ACID
BENZALDEHYDE
BENZYL ALCOHOL
BENZYL CHLORIDE
BENZYL CYANIDE
DIETHYL MALONATE
DIMETHYL UREA
DI-NITRO CRESOL
CYANOACETAMIDE
CYANO ACETIC ACID
ETHYL CYANO ACETATE
8—HYDROXYQUINOLIN
8—HYDROXYQUINOLIN—5—SULPHONIC ACID

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CHEMICALS ATLAS EXPLOSIVES

WRITE FOR INFORMATION

ATLAS POWDER COMPANY
Industrial Chemicals Dept. Wilmington, Delaware

Export Control Lists, Rules Afford Information

—*Continued from page 3*

cification, or descriptive or technical information of any kind (other than that appearing generally in a form available to the public) which can be used or adapted for use in connection with any process, synthesis or operation in the production, manufacture or reconstruction of any of the articles or materials the exportation of which is prohibited or curtailed in accordance with the provisions of section 6 of the act of Congress approved July 2, 1940 (the export license control law) or of any basic or intermediary constituent of any such articles or materials.

Articles Now Controlled

While the information has been published in OPD from time to time as it became available, the following recapitulation, taken from the schedule, lists the articles in the field of this publication which may not be exported without a specific or general license:—

Export Control Schedule No. 1

By virtue of the military order of July 2, 1940, and executive order of March 15, 1941, I, Russell L. Maxwell, administrator of export control, have determined that effective April 15, 1941, the articles and materials designated in the proclamations issued pursuant to section 6 of the act of July 2, 1940, shall include the forms, conversions and derivatives hereinafter designated.

The numbers appearing in the columns designated B and F refer to the numbers in schedule B "Statistical Classification of Domestic Commodities exported from the United States," and schedule F "Foreign Exports (re-exports, i.e., merchandise exported from the United States in the same condition as imported)," respectively, both effective January 1, 1941, issued by the United States Department of Commerce. The words are controlling and the numbers are included solely for the purpose of statistical classification. An asterisk (*) indicates that the classification herein is not coextensive with that in said Schedules B and F.

Chemicals, Coaltar

	B*	F
Toluene	8011	8069*
Cresylic acid and cresols	8024*	8069*
Dimethylanilin	8025.5	8069*
Diphenylamine	8025.7	8069*

Chemicals, Industrial

	Commodity Numbers B*	F
Acids and anhydrides:		
Boric acid	8308	8309*
Chromic acid	8309.1	8309*
Molybdic acid	8309.9*	8309
Nitric acid	9309.3	8309
Phosphoric acid, ortho-, pyro-, and meta-	8309.9*	8309*
Sulphuric acid, fuming (oleum)	8309.5	8309
Alcohols:		
Glycerin	8314	8399*
Organic chemicals:		
Sodium acetate	8329.5	8399*
Methylamine	8329.9*	8399*
Bromine chemicals:		
Bromine	8344*	8399*
Ethylene dibromide	8344*	8399*
Potassium bromide	8344*	8399*
Sodium bromide	8344*	8399*
Phosphorus, elemental	8399.9*	8399*
Aluminum salts and compounds:		
Aluminum chloride, anhydrous	8399.9*	8399
Ammonium salts and compounds:		
Aqua ammonia	8385*	8399*
Ammonium carbonate	8385*	8399*
Ammonium bicarbonate	8385*	8399*
Ammonium chloride	8385*	8399*
Zinc-ammonium chloride	8385*	8399*
Ammonium nitrate	8385*	8399*
Ammonium perchlorate	8385*	8399*
Guanidine	8385*	8399*
Urea	8385*	8399*
Antimony salts and compounds:		
Antimony chloride	8399.9*	8399*
Antimony oxides	8399.9*	8399*
Antimony-potassium tratrate	8399.9*	8399*
Antimony sulfide	8399.9*	8399*
Beryllium salts and compounds	8399.9*	8399*
Borates, crude and refined	8362	8379*
Cadmium salts and compounds:		
Cadmium chloride	8399.9*	8399*
Cadmium oxide	8399.9*	8399*
Cadmium sulfate	8399.9*	8399*
Cadmium plating salts	8399.9*	8399*
Chromium salts and compounds:		
Chromic chloride	8399.9*	8399*
Chromic oxide	8399.9*	8399*
Chromic sulphate	8399.9*	8399*
Potassium chromate and bichromate	8357	8356*
Chromium Salts (Continued)—		
Potassium - chromium sulfate (chrome alum)	8359*	8356*
Sodium chromate and bichromate	8360	8379*
Cobalt salts and compounds:		
Cobaltous carbonate	8399.9*	8399*
Cobaltic and cobaltous chloride	8399.9*	8399*
Cobalt oxide	8399.9*	8399*
Cobaltic and cobaltous sulfate	8399.9*	8399*
Manganese salts and compounds:		
Manganese chloride	8399.9*	8399*
Manganese dioxide	8399.9*	8399*
Manganese hydroxide	8399.9*	8399*
Manganese oxide	8399.9*	8399*
Manganese sulphate	8399.9*	8399*
Mercury salts and compounds:		
Mercuric chloride (calomel)	8399.9*	8399*
Merchrous chloride (corrosive sublimate)	8399.9*	8399*
Mercuric fulminate	8399.9*	8399*
Mercuric nitrate	8399.9*	8399*
Mercuric oxide (red and yellow)	8399.9*	8399*
Mercuric sulphate	8399.9*	8399*
Mercuric sulphide	8399.9*	8399*
Molybdenum salts and compounds:		
Molybdenum oxide	8399.9*	8399*
Nickel salts and compounds:		
Nickel ammonium sulfate	8399.9*	8399*
Nickel carbonate	8399.9*	8399*
Nickel chloride	8399.9*	8399*
Nickel nitrate	8399.9*	8399*
Nickel oxide	8399.9*	8399*
Nickel peroxide	8399.9*	8399*
Nickel sulphate	8399.9*	8399*
Potassium salts and compounds:		
Potassium hydroxide	8358	8356*
Potassium acetate	8359*	8356*
Potassium bicarbonate	8359*	8356*
Potassium bitartrate	8359*	8356*
Potassium carbonate	8359*	8356*
Potassium chlorate	8359*	8356*
Potassium perchlorate	8359*	8356*
Potassium cyanide	8359*	8356*
Potassium iodide	8359*	8356*
Potassium nitrate	8359*	8356*
Potassium permanganate	8359*	8356*
All combinations and mixtures of any of the foregoing	8359*	8356*
Radium salts and compounds	8399.9*	8399*
Strontium:		
Celestite	8399.5	8399*
Strontianite	8399.5	8399*
Strontium carbonate	8399.5	8399*
Strontium chloride	8399.5	8399*
Strontium nitrate	8399.5	8399*
Strontium oxalate	8399.5	8399*
Strontium peroxide	8399.5	8399*
Strontium sulfate	8399.5	8399*
Tin salts and compounds:		
Tin chloride	8381	8399*
Tin oxide	8381	8399*
Titanium salts and compounds:		
Titanium tetrachloride	8399.9*	8399*
Tungsten salts and compounds:		
Sodium tungstate	8399.9*	8399*
Tungstic acid	8399.9*	8399*
Tungsten chloride	8399.9*	8399*
Tungsten oxide	8399.9*	8399*
Uranium salts and compounds	8399.9*	8399*
Vanadium salts and compounds:		
Vanadium chloride	8399.9*	8399*
Vanadium oxide	8399.9*	8399*
Vanadium sulphide	8399.9*	8399*
Zinc salts and compounds:		
Zinc chloride	8399.9*	8399*
Zinc sulfate	8399.9*	8399*
Gases, compressed, liquefied, and solidified:		
Ammonia, anhydrous	8390	8399*
Chlorine	8392	8399*

Chemical Specialties

Methyl methacrylate, unfabricated	8258* 8261*	8399*
Fabricated	9812* 9813*	8399*

Cotton, Unmanufactured

Cotton pulp, including cottonseed hull fiber pulp, cotton pulpboard, and bleached and purified linters	3006	3004*

Drugs, Herbs, Leaves, and Roots

Belladonna leaves, U.S.P.	2209*	2209*
Belladonna plaster, U.S.P.	8127.9* 8150*	8180*
Extract of belladonna, U.S.P.	8124* 8180*	8180*
Fluidextract of belladonna leaf, N.F.	8124* 8180*	8180*
Tincture of belladonna, U.S.P.	8124* 8180*	8180*
Belladonna ointment, U.S.P.	8127.9* 8180*	8180*
Belladonna root	2209*	2209*
Fluidextract of belladonna root	8124* 8180*	8180*
Belladonna liniment, N.F.	8124* 8180*	8180*
Cinchona bark	....	2209*
Powdered	2209*	2209*

Ferro-Alloys

Ferrochrome	6220.5	6220*
Ferrocolumbium	6220.9*	6220*
Ferromanganese and spiegeleisen	6213	6220*
Ferromolybdenum	6220.9*	6220*
Ferrophosphorous	6220.9*	6220*
Ferrosilicon	6220.9*	6220*
Ferrotitanium and ferrocarbon-titanium	6220.9*	6220*
Ferrotungsten	6220.9*	6220*
Ferrovanadium	6220.9*	6220*

Fertilizer Materials

Nitrogenous fertilizer materials:		
Ammonium sulphate	8505	8551*
Calcium cyanamide	8509*	8551*
Calcium nitrate	8509*	8551*
Sodium nitrate	8509*	8506
Urea	8509*	8551*
Phosphatic fertilizer materials:		
Phosphate rock	8515.1* 8515.2* 8515.6* 8515.8*	8551*
Superphosphate containing 25 percent or more phosphorus pentoxide equivalent	8519*	8551*
Potassic fertilizer materials:		
Potassium chloride	8351*	8521
Potassium sulphate	8531*	8551*
All other potassic fertilizer materials containing 27 percent or more potassium oxide equivalent	8531*	8551*
Nitrogenous phosphatic types:		
Ammonium phosphate	8540	8551*
Prepared fertilizer mixtures containing 25 percent or more of any of the following:		
Ammonium phosphate	8551*	8551*
Ammonium sulphate	8551*	8551*
Sodium nitrate	8551*	8551*
Urea	8551*	8551*

Manufactures and Equipment

Metal drums and containers, filled and unfilled, for oil, gas, and other liquids	6122* 6205*	6209*
Equipment, excluding minor component parts, which can be used, or adapted to use, for the production of:		
Aviation lubricating oil	7349* 7750*	7750*
Aviation motor fuel, from petroleum, petroleum products, hydrocarbons, or hydrocarbon mixtures, by processes involving chemical change	7349* 7750*	7750*
Tetraethyl lead	7750*	7750*
Petroleum and gas-well equipment and parts, including well-drilling machinery and parts	7342 7349	7750*
Petroleum refining machinery equipment, and parts	7349	7750*
Plastic molding machines and presses	7750*	7750*

Medicinal Preparations

Atropine alkaloid, U.S.P.; and atropine hydrobromide, hydrochloride, methylbromide, methylnitrate, nitrate, salicylate, sulphate, sulfuric acid, and valerate	8135*	8180*
Quinine sulphate	8127.3	8180*
Other quinine salts and compounds	8127.5	8180*
Nonproprietary and proprietary preparations containing quinine in any form	8124* 8154* 8157* 8160* 8165* 8167* 8180*	8180*

Metals, Nonferrous

Tungsten:		
Ores and concentrates	6245*	6220*
Metal in pigs, bars, wire, shapes, and other forms	6230	6220*
Alloys containing tungsten	6230 6220.9*	6220*
Tungsten-bearing scrap metal	6230	6220*
Molybdenum:		
Ores and concentrates	6241	6220*
Metal	6249*	6220*
Molybdenum (Continued)—		
Alloys and scrap containing molybdenum, including calcium molybdate and calcium-silico molybdate	6249* 6220.9*	6220*
Vanadium:		
Ores and concentrates	5244	6640*
Metal, alloys and scrap, containing vanadium	6249* 6220.9*	6640* 6220*
Beryllium:		
Ores and concentrates	6245*	6640*
Metal, alloys, and scrap	6249*	6640*
Cadmium:		
Ores and concentrates	6245*	6640*
Metal	6249*	6640*
Alloys	6249*	6640*
Chromium:		
Chromite—ores and concentrates	6245*	6220*
Metallic chromium	6249*	6220*
Chromium - bearing alloys and scrap	6220.5 6249*	6220*
Chromite refractories	5361 5375*	5379*
Cobalt:		
Ores, concentrates, and residues	6245*	6640*
Metal	6249*	6640*
Alloys containing cobalt	6230* 6249* 6640*	6640*
Cobalt-bearing scrap metal	6249*	6640*
Manganese:		
Ores and concentrates containing 35 percent or more manganese	6245*	6640*
Alloys containing 10 percent or more manganese	6220.9* 6249* 6213	6220* 6640*
Titanium:		
Ores and concentrates:		
Ilmenite	6245*	6640*
Rutile	6245*	6640*
Metal	6249*	6640*
Alloys	6249*	6220*
Aluminum:		
Bauxite concentrates	6296	6640*
Alumina	6294	6309*
Aluminum:		
Ingots, slabs and other crude forms	6330	6309*
Scrap	6301	6309*
Plates, sheets, bars, strips, and rods	6303	6309*
Foil	6304	6309*
Tubes, moldings, castings, and other shapes	6305	6309*
Aluminum and aluminum-bronze powder	6308.5*	6309*
Aluminum alloys:		
Ingots, slabs, and other crude forms	6300	6309*
Scrap	6301	6309*
Plates, sheets, bars, strips, and rods	6303	6309*
Tubes, moldings, castings, and other shapes	6305	6309*
Copper:		
Ore, concentrates, matte, and unrefined copper including blister, black or coarse, converter, and anodes	6401	6640*
Refined copper in bars, billets, cakes, cathodes, ingots, slabs, and other commercial shapes	6412	6439*
Old and scrap copper	6413	6439*
Pipes and tubes	6422	6439*
Plates, sheets, and strips	6423	6439*
Rods	6424	6439*
Wire:		
Bare	6425	6439*
Insulated wire and cable:		
Rubber-covered wire	6430	6439*
Weatherproof wire	6431	6439*
Other insulated wire	6435	6439*
Fabrications for munitions	6439*	6439*
Alloys, other than brass or bronze	6545*	6549*
Brass and bronze:		
Scrap and old	6440	6479*
Ingots and other commercial shapes	6441	6479*
Bars and rods	6448	6479*
Plates, sheets, and strips	6450	6479*
Pipes and tubes	6453	6479*
Wire (bare or insulated)	6457	6479*
Fabrications for munitions	6479*	6479*
Lead:		
Ore and matte	6640*	6640*
Pigs and bars	6507	6515*
Sheets and pipes	6508	6515*
Solder	6512	6515*
Nickel:		
Ores, concentrates, and matte	6545	6640*
Metal in ingots, bars, grains, rods, sheets, strip, shot, plates, and other forms including scrap	6545	6549*
Alloys and scrap containing nickel, including Monel metal	6545 6610	6549*
Nickel-chrome wire	6630	6549*

WHATEVER YOUR BOTANICAL NEEDS . . .

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Whatever your requirements in the realm of quality and quantity botanicals, S. B. Penick & Company is ever willing and ready to serve you . . . HOW you want it . . . whether it be canisters or carloads . . . and WHEN you want it . . . Penick is constantly on the alert to give you the quality materials that superior finished products require, and to give them to you as rapidly as a system of strategically located warehouses can insure.

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THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Tin:		
Metal in ingots, pigs, bars, blocks, slabs, sheets, foil, tubes, and other forms, including scrap and waste.	6565*	6565*
Alloys containing tin, including scrap and Babbitt metal	6565*	6565*
	6620	6640*
		6691*
Zinc:		
Ore, concentrates, and dross	6570	6640*
Cast in slabs, plates, or blocks	6571	6640*
Rolled in sheets and strips	6572	6640*
Other forms including scrap	6573	6640*
Alloys, other than brass or bronze, including scrap	6573	6640*
Dust	6586	6640*
Manufactures containing 20 percent or more zinc	6589*	6640*
Mercury or quicksilver:		
Ores and concentrates.	6635	6640*
Metal:		
Virgin	6635	6640*
Redistilled	6635	6640*
Old (used) mercury..	6635	6640*
Magnesium:		
Metal in ingots, sticks, ribbons, and powder.	6638	6640*
Alloys in ingots, billets, bars and rods, plates, tubes, shapes, castings, and forgings	6640*	6640*
Antimony:		
Ores and concentrates.	6640*	6640*
Metal or regulus, and needle or liquated	6640*	6600
Alloys containing antimony, including type metal, in crude and semimanufactured forms	6515*	6515*
	6670*	6640*
		6691*
Antimony bearing scrap metal	6640*	6640*
Radium: Metal	6640*	6640*
Uranium:		
Minerals	6245*	6640*
Metal	6640*	6640*
Metals, Precious		
Platinum ore and concentrates	6920	6999*
Metals and alloys, bars, sheets, slabs, wire, sponge, and other forms, including scrap	6922*	6999*
Platinum (Continued)—		
Manufactures other than jewelry	6929*	6999*
Palladium, rhodium, iridium, osmiridium, ruthenium, and osmium, metals and alloys, including scrap	6922*	6999*
	6929*	
Minerals, Nonmetallic		
Abrasives, artificial	5411	5419*
Natural	5409	5419*
Asbestos, if chiefly of fibers ⅜ inch or more in length:		
Crude and unmanufactured	5451*	5459*
Products:		
Textile and yarn	5455.1*	5459*
Packing	5455.5*	5459*
Graphite:		
Flake, crystalline, lump or chip	5472*	5960*
Graphite electrodes	5473*	5960*
Manufactures in which graphite is an essential component, including crucibles, retorts, stoppers	5480*	5960*
Mica, natural raw:		
Unprocessed block mica, including thumb-trimmed, knife-trimmed, and sickle-trimmed	5510	5513*
Processed mica, including splittings of any thickness, condenser films, radio-tube supports, washers, wrappers, and punched or cut pieces	5513	5513*
Naval Stores, Gums, and Resins		
Pine oil	2117	2189*
Shellac, lac, crude, seed, button, and stick	2189*	2185
Unbleached	2189*	2185
Bleached	2185	2185
Oils, Vegetable		
Coconut oil:		
Edible	1420	1449*
Inedible	2230	2230
Palmkernel oil:		
Edible	1449*	1449*
Inedible	2249*	2243*
Fatty acids produced from vegetable oils under export control	2248*	2262*
Oilseeds		
Copra	2220*	2211
Palmkernels	2220*	2220*
Petroleum Products		
Crude oils and other materials from which by commercial distillation there can be separated more than 3 percent of aviation motor fuel, hydrocarbon or hydrocarbon mixture boiling between 75° F. and 350° F. A. S. T. M. which with the addition of tetraethyl lead up to a total content of 3 cc. per gallon will exceed 87 octane number by A. S. T. M. knock test method. In addition any crude oil or any other material from which by commercial distillation there can be produced, as distillate or residuum, products having a viscosity of 95 or more Saybolt seconds universal at 210° F. with a viscosity index of over 85	5011	5040*
		5048*
Motor fuels:		
Aviation motor fuel:		
High octane motor fuels, hydrocarbons, and hydrocarbon mixtures boiling between 75° F. and 350° F. A. S. T. M. which with the addition of tetraethyl lead up to a total content of 3 cc. per gallon will exceed 87 octane number by the A. S. T. M. knock test method.	5016	5040*
Aviation lubricating oils:		
Any lubricating oil of more than 95 Saybolt universal seconds viscosity at 210° F. with a viscosity index of 85 or over	5040*	5040*
Blending agents (of petroleum origin):		
Iso-octanes, including alkylates, hot acid octanes, and hydrocodimers	5013	5040*
Octylenes	5013	5040*
Iso-pentanes	5013	5040*
Iso-hexanes	5013	5040*
Neo-hexanes	5013	5040*
Isopropyl ether	5013	5040*
Motor Fuels (Continued)—		
Antiknock compounds (not of petroleum origin):		
Tetraethyl lead	8299.1	8399*
Ethyl fluid	8299.1	8399*
Any mixture containing more than 3 cc. tetraethyl lead per gallon	8299.1	8399*
Petroleum coke	5048	5048*
Pigments		
Cadmium:		
Cadmium sulphide	8429*	8442*
Cadmium lithopone	8429*	8442*
Carbon black, including gas black	8423	8442*
Chrome pigments containing 10 percent or more chromium, including chromic oxide (chrome green), lead chromate (chrome yellow), and zinc chromate	8429*	8442*
Titanium pigments:		
Titanium dioxide	8428	8442*
Zinc pigments:		
Zinc oxide, including leaded zinc oxide	8411	8442*
Zinc sulphide	8429*	8442*
Lithopone	8414	8442*

The export control administration has also issued in mimeographed form information regarding the exportation of articles and materials subject to license, in which it is stated that basic affidavits must accompany license applications to export certain commodities. No application covering such commodities will be considered until affidavits properly prepared have been submitted to the Division of Controls, Department of State, Washington, D.C.

Soap Exports Reported

United States exports of various sorts of soaps during January, as reported by the Bureau of Foreign and Domestic Commerce, follows:—

	Pounds.	Value.
Medicated	20,712	$7,638
Toilet or fancy	541,406	74,029
Laundry	921,646	39,902
Powdered or flaked	91,926	7,187
Shaving creams	17,151	9,191
Shaving cakes, powders, and sticks	17,687	4,891
Shaving soaps, bricks, pastes and powders	279,550	21,081
Other soap	51,245	6,443

Botanical Drugs, Spices, and Gums

Far Eastern Crude Drugs Show Sustained Price Rises—Shrinking Stocks Emphasize Strength of Values — Scarcity of Shipping Space Cripples Replacement

Outstanding above all else in the market for botanical drugs last week was the strength, virility, and ability to advance noted in items of Far Eastern derivation, especially those obtainable from sources under Dutch control, or from places adjacent thereto. Inability to secure shipping space except in the distant, even far distant future played an important part in the price developments. Steady shrinkage of spot stocks was also influential to the same end. In the final analysis, it was a sellers market on spot and there did not appear to be too much stock available for local transactions. Replacement costs on such merchandise continued to rise.

Strength of European items was certainly no less apparent than it had been. Price advances have already put values to high position and in some measure the pressure that brought the advances has eased, possibly for the reason that many items have reached a more or less nominal position in keeping with the slimming of supplies and the inability of dealers to replace the same.

Balsams

Peru.—Firm. Reasonably active. In moderate supply.

Tolu.—Steady to firmer. More active. Some upward tendency.

Barks

Angostura.—Reported available at 30c. per pound.

Condurango.—Firm. Not much activity. Reasonable reserves.

Fringetree.—Steady to firm. More inquiry.

Soap.—Steadier at recent declines.

Wahoo.—More inquiry for root bark. Fully steady.

Beans

Tonka.—Firm prices. Steady consumption. Moderate stocks.

Vanilla. — Strong position not changed nor likely to be. Stocks at low ebb. Main dependence to be on Mexican and West Indian beans. Sellers fully reserved. No unsolicited offerings.

Berries

Cubeb.—Strong at recent rise. Replacement slow and costly.

Saw Palmetto.—Primary market reports small stocks in hands of collectors. Collection moderate in 1940. Future of prices depends on 1941 collection. Poor crop would strengthen values substantially.

Flowers

Arnica.—Purely nominal. More than $5 per pound has been paid.

Calendula.—Stocks at low ebb. Prices tend toward nominal position.

Rose.—Call irregular for pale item. Prices steady.

Price Changes

Advanced

Caraway seed, 4c. per lb.
Cardamom, bleached, 10c. per lb.
decorticated, 7c. per lb.
green, 10c. per lb.
Celery seed, Indian, 1½c. per lb.
Cumin seed, Persian, ¼c. per lb.
Indian, ½c. per lb.
Cassia, Batavia No. 1, thin quill, ½c. per lb.
No. 1 regular, 1c.per lb.
broken, ½c. per lb.
China, buds, ½c. per lb.
rolls, selected, ½c. per lb.
broken, extra select, ¼c. per lb.
Cinnamon, Ceylon, No. 2, 1c. per lb.
No. 3, ¾c. per lb.
Clove, Madagascar, 1c. per lb.
Zanzibar, 1c. per lb.
Amboyna, 1c. per lb.
Ginger root, African, 1¼c. per lb.
Mace, Batavia, 2½c. per lb.
Banda, 1c. per lb.
Siauw, 5½c. per lb.
West Indian, 8c. per lb.
Mustard seed, Dutch yellow, 2c. per lb.
Nutmegs, E. I., 80's, 1c. per lb.
110's, 1c. per lb.
West Indian, 2c. per lb.
Pepper, black, Lampong, ½c. per lb.
Poppy seed, Dutch, 2½c. per lb.
Turkish, 1½c. per lb.
Pimento, Jamaica, 4½c. per lb.
Mexican, ¾c. per lb.
Rosemary leaves, 10c. per lb.
Saffron, Mexican, 5c. per lb.

Reduced

Marjoram, Chilean, ½c. per lb.
Mustard seed, Chinese yellow, ¾c. per lb.
Danish yellow, 1c. per lb.
Paprika, Portuguese, good, ½c. per lb.
Rape seed, Indian, small, recleaned, ¼c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
250.6	250.6	250.0	195.3

Market news that may have developed after this report was sent to press will be found on page 4.

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1941, and the detention of these items by the Food and Drug Administration because of the presence of matter rendering them unfit for human consumption were:—

	Bags Detained.	Bags Entered.
Anise	...	485
Belladonna	19	19
Caraway	...	174
Cardamom (cases)	...	1,118
Celery	35	61
Coriander	12,346	22,903
Cumin	2,889	5,640
Digitalis leaves (cases)	...	...
Dill	3,118	9,341
Fennel	36	900
Henbane leaves (bales)	...	...
Mustard	...	2,994
Poppy	136	1,047
Sage leaves (bales)	...	2,946
Sesame	340	596
Stramonium	...	...
Thyme	197	297

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Rosemary. — Growing firmer as stocks decrease.

Saffron.—Mexican firmer and higher at 40c. to 45c. per pound. Spanish maintained at late rise.

Gums

Aloe.—Steady to firmer. Shipping space not plentiful from primary markets.

Arabic.—Future of price hitched tightly with availability of shipping space from primary market. Stocks plentiful at source because of inability to export. Sellers firm to steady here.

Benzoin.—Higher at 23c. to 25c. per pound for Sumatra gum. Small quantities Siam gum in cans offered at $2.50 to $2.60 per pound. Replacement difficulties strengthening market.

Guaiac.—Advance maintained fully. Firm undertones. Fair demand. Moderate stocks here.

Tragacanth.—More tendency toward competition. Some price shading re-

Association meetings:—
Amer. Spice Trade Ass'n, May 12-14 (Tentative), New York.

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✓ GINGER
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✓ HOREHOUND
✓ IPECAC ROOT
✓ IRISH MOSS
✓ KOLA NUTS
✓ MYRRH GUM
✓ OLIBANUM GUM
✓ ORANGE PEEL
✓ ORRIS ROOT
✓ PAPAIN
✓ PEPPERMINT
✓ PSYLLIUM SEED
✓ QUASSIA
✓ QUINCE SEED
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ported. Reasonable tendency to accept bids exists. Break in shipping blockade at source might turn values down sharply. Plenty of gum at source but ships for transport are lacking.

Herbs and Leaves

Belladonna.—Scarce. Strong. Nothing obtainable from abroad. Domestic production uncertain. Atropine test of home grown product unpredictable.

Damiana.—Quiet market. As yet unaffected by botanical drug crisis.

Henbane.—Strictly nominal market. New source of supply sought.

Marjoram.—Chilean article raised to 10¼c. to 11c. per pound.

Rosemary.—Higher at 26c. to 27c. per pound.

Stramonium.—Cultivation project under way in California.

Miscellaneous

Agaric.—None here. None expected. Little wanted.

Ergot.—Home requirements met. Steady market.

Guarana.—Firm but lacking important activity.

Kamala.—Tending firmer. Lacking price development.

St. John's Bread.—A product of Italy that seems still to be obtainable at fair prices.

Roots

Aconite.—There may be some still obtainable but the supply gets smaller.

Belladonna.—Home production must supply most of 1941-1942 needs.

Dandelion.—Some Russian root may reach here eventually.

Golden Seal.—Plenty available. Constricted sales market prevails. Prices easy.

Rhubarb.—Far easier than the Far Eastern situation would suggest.

Turmeric.—Steamer with important cargo sunk. None other is reported afloat. Local dealers holding stocks.

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Seeds

Caraway.—A little held at higher price of 61c. to 63c. per pound.

Cardamom.—Lack of steamer space advances market. Bleached, $1.30 to $1.50 per pound; decorticated, $1.10 to $1.15; green, $1.05 to $1.10.

Celery.—French seed about extinct. Indian higher at 38c. to 39c. per pound.

Cumin.—Fractional advance. Persian, 16c. to 16½c.; Indian, 16½c. to 17c.

Mustard.—California dealers stop offering. Chinese available at shade lower price. Market, 8½c. to 9c. per pound. Danish yellow shaded to 23c. to 24c. Dutch yellow higher at 24c. to 25c.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Poppy.—Almost a museum piece. Dutch, up to 40c. to 41c. per pound; Turkish, 35c. to 36c.; Roumanian, unchanged.

Rape.—Indian small shaded to 6¼c. to 6½c. per pound.

Spices

Cassia.—Price advances extended. Batavia No. 1 thin quill, 19½c. to 20c. per pound; No. 1 regular,, 18½c. to 19c.; shortstick, 14½c. to 15c.; broken, 12c. to 12½c.; China, buds, 13½c. to 14c.; rolls, selected, 11⅝c. to 12c.; extra select, broken, 11¾c. to 12¼c. Saigon unchanged, but nominal and subject to price confirmation.

Cinnamon.—Prices climbing. Ceylon No. 2, 18c. to 19c. per pound; No. 3, 17½c., nominal.

Clove.—Higher, Amboyna, 25c. to 26c. per pound. Madagascar, and Zanzibar, 20c. to 20½c.

Ginger.—African still rising. Market, 10¼c. to 10½c. per pound.

Mace.—Getting scarce. Banda, up to 47c. to 48c. per pound; Batavia, 29c. to 30c.; Siauw, 37c. to 38c.; West Indian, 39c. to 39½c.

Nutmegs.—Prices upped. East Indian, 80's, 18½c. to 19c. per pound; 110's, 16½c. to 17c.; small grinding, 13½c. to 14c.; West Indian, 11½c. to 12c.

Paprika.—Good Portuguese shaded to 29c. to 30c. per pound. Other varieties reasonably easy.

Pepper.—Lampong black higher at 7c. to 7½c. per pound.

Trading in black pepper futures on the New York Produce Exchange from March 15 to March 21, inclusive, comprised 472 contracts. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
May	6.72	6.42	6.47@6.53
July	6.92	6.40	6.56@6.60
September	6.99	6.45	6.66 sale
December	7.09	6.55	6.71@6.74

Pimento.—Jamaica spice skyrockets to 33c. to 34c. per pound. Large shipper reports none available until next June. Little here. Mexican up to 13½c. to 14c. per pound, but finds small favor.

Priorities System To Be Improved

A new plan which will eliminate loopholes in the current preference rating and priorities system was reported last week by Major Chester Mueller, chief of the executive division, New York Odrnance District. Speaking at a forum of the Purchasing Agents Association of New York, Major Mueller did not disclose details of the plan but said that under it industry will definitely know who is to get what material. He also expressed the opinion that aluminum rationing might have to be continued for at least six months.

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Essential Oils, Aromatic Chemicals

Arrival Russian Peppermint Oil Expected Daily—Far Eastern Oils Gain Strength Constantly — Number of Substitute Materials Increasing Steadily—Price Trend Upward

Price trend in the market for essential oils continued definitely upward during the past week. Changes to higher levels were fairly numerous and to say that the majority of items were stronger would not be an overstatement of market conditions as a whole. Sellers showed a disposition to quote prices "subject to confirmation" and in many instances salesmen can accept orders only on a basis of subsequent approval by company headquarters.

Interest in the large quantity of Russian oil afloat to this market continued active but probably was less apparent than it had been. In some respects, the arrival has been already discounted by the establishment of currently lower prices for spot goods. Reports stating that the oil was actually in port were denied by brokers who have been offering lots from the consignment. The REPORTER's ship news department had no knowledge of the arrival of the steamer "Wisa," the ship carrying the Russian oil.

Far Eastern oils were mountains of strength in the local market. Increasing lack of steamer space made the future of spot supplies highly problematical. All such oils were in strong price position and practically all quotations were made subject to prior sale and confirmation.

Price Changes

Advanced

Almond, sweet, 5c. per lb.
Amyris, $1 per lb.
Bergamot, natural, $1 per lb.
artificial, $1.25 per lb.
Bois de rose, 5c. per lb.
Cananga, $1 per lb.
Cedarwood, 1c. per lb.
Citronella, Ceylon, 3c. per lb.
Cubeb, 25c. per lb.
Erigeron, 5c. per lb.
Eucalyptus, 2c. per lb.
Ginger, 40c. per lb.
Petitgrain, 5c. per lb.
Pineneedle, 5c. per lb.
Savin, 25c. per lb.
Tansy, 25c. per lb.
Vetiver, 25c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
178.1	175.4	173.9	103.4

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—Sweet advanced to $1.30 to $1.35 per pound. In very low supply. Replacement slow and uncertain.

Amyris.—More valuable at $4 to $5 per pound. Not much carryover.

Bay.—Price shading noted. Quotations:—50-55 percent phenols, 90c. to $1 per pound; 55-60 percent phenols, $1 to $1.10.

Bergamot.—Actual sale of natural oil reported at $15 per pound for very small quantity. Artificial oil filling most demands. Prices higher at $3.75 to $4 per pound.

Birch Tar.—Very firm. Moderate demand. Limited reserve.

Bois de Rose.—Good business. Steady call. Slightly higher prices obtained. Market $2 to $2.15 per pound.

Cajeput.—Showing strength. Difficult to replace steadily.

Cananga.—Advanced again. Native, $4.50 to $5 per pound. Rectified, $5 to $5.50. Cost to import rising. Hard to bring from source.

Caraway.—Strong and very scarce. Strictly nominal market.

Cassia.—Little offered. Very strong. Expected to go higher.

Cedarwood.—Higher at 25c. to 26c. per pound, drums; cans, 27c. to 28c.

Celery.—Stocks very low. Prices about nominal.

Citronella.—Increasingly hard to get goods from primary markets. Local stocks gaining value. Ceylon, drums, 41c. to 42c. per pound; cans, 43c. to 44c.

Clove.—Raw material advancing. Stronger market. No shading. Fair call.

Coriander.—Sellers reserved. Stocks limited. Replacement uncertain.

Cubeb.—Higher at $3.25 to $3.50 per pound. Due to raw material cost.

Dill.—Showing strength constantly. Increasing dependence on domestic production expected.

Erigeron.—Higher at $2.25 to $2.30 per pound. Carryover to be small.

Eucalyptus.—Strong. Drums, 65c. to 67c. per pound; cans, 68c. to 70c.

Geranium.—Strictly nominal market. Substitutes mainstay of consumers.

Grapeseed.—Dull. Plentiful stocks. Imported oil in high reserve.

Ginger.—Sold at higher price of $5.15 to $5.25 per pound. Raw material advance extended.

Juniper Tar.—Very firm. Sellers reserved. Moderate call.

Lemon.—California oil filling consumption requirements. Well stabilized prices create confidence among consumers.

Lemongrass.—No higher but gaining strength due to forward position at source.

Lime.—Limited offerings from West Indies. Britain taking most of British West Indies production.

Mace.—Quiet. Steady. Moderate holdings. Little competition.

Nutmeg.—Steadier. Demand quiet. Stocks moderate.

Peppermint.—Trade awaiting further developments. Undertone tending easier in unsettled market. Pending arrival Russian oil on steamer "Wisa" basic influence. Domestic oil produced on 1,743 farms. Total acreage, 28,084 in 1940. Production, 723,235 pounds.

Petitgrain.—Higher at source. Spot responds. Market:—44-46 percent esters, drums, $1.35 to $1.40 per pound; cans, $1.45 to $1.50; 48-50 percent esters, drums, $1.55 to $1.60; cans, $1.60 to $1.65.

Pimento.—Going sky-high at source. Raw material unavailable. Local prices approach nominal position.

Pineneedle.—Higher at $1.35 to $1.40 per pound. Stocks dropping.

Rosemary.—Strongly placed. Moderately stocked. Priced firmly.

Savin.—Sold at advance to $7 to $7.50 per pound. Limited offers.

Spearmint.—Firm but not very active.

Sweet Birch.—Very good demand. Fair supplies well distributed.

Tansy.—Moderate carryover more valuable. Price, $4.50 to $4.75 per pound. Demand quiet.

Vetiver.—Strong along with all similar oils. Reserved conservative. Quoted $5.75 to $9.50 per pound.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

Aromatic Chemicals

Acetophenone. — Firm. Reasonable active demand. Fair supply.

Amyl Phenylacetate.—Market slower. Prices well held.

Amyl Salicylate.—More inquiry and sales. Very steady market.

Anethol.—Growing in strength. Production cost rising.

Anisic Aldehyde.—Higher production cost following raw material rise.

Benzaldehyde.—Normal activity at full prices.

Benzophenone. — Moving quietly but steadily. Firm prices.

Benzyl Acetate.—Price stability prevails. Normal demand.

Benzyl Alcohol. — Trade excellent. Market firmer.

Benzyl Benzoate.—Rather irregular call. No price unsettlement.

Benzyl Cinnamate. — Inquiry up. Consumer needs gain. Firm item.

Benzyl Formate.—Routine demand. Very steady market.

Benzyl Propionate.—Demand mainly for small lots. Firm undertone.

Benzyl Salicylate. — Consumption very steady. Little competition.

Benzylidenacetone. — Rather slow market. Still very steady item.

Carvol.—Practically nominal. Price around $10 per pound.

Cinnamic Alcohol. — Routine activity well maintained. Steady.

Cinnamic Aldehyde.—Little change. Firm in all respects.

Citral.—Sales gain moderately. Very firm undertones. Replacement cost firmer.

Citronellyl Acetate. — Demand routine but steady and conventional.

Citronellyl Butyrate.—Inquiry very steady. Consumption normal.

Cyclamen Aldehyde.—More than ordinary interest shown. Firm.

Diethyl Phthalate.—Steady to firm. Activity routine.

Dimethyl Hydroquinone. — Firmer and more active along jobbing lines.

Diphenyl Methane.—Demand conventional. Prices steady to firm.

Ethyl Cinnamate.—More activity. Sales above jobbing level.

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Toilet Goods Ass'n Plans Trade Show at Convention

The Toilet Goods Association will hold an exhibit of raw materials and supplies for the manufacture of perfumes and cosmetics in connection with its annual convention, to be held in the Waldorf-Astoria hotel, this city, June 9-11. L. R. Root, of the Scovill Manufacturing Company, 406 Lexington avenue, this city, is in charge of arrangements for the convention as well as for the trade show. Only associate members of the association will be eligible to exhibit materials.

J.S. Schmidt Back

James S. Schmidt, of Dodge & Olcott Company returned to New York from Mexico on March 17. Mr. Schmidt spent about five weeks visiting the company's curers of vanilla beans in Papantla as well as getting the latest market situation and crop estimates of this particular commodity. He flew from Papantla to Mexico City; then sailed from Vera Cruz. This makes Mr. Schmidt's second visit for Dodge & Olcott Company to the vanilla districts during the past five months, the first having been via Miami by clipper to Guadeloupe.

Trade Briefs

American Zinc Institute will hold its twenty-third annual meeting in the Hotel Chase, St. Louis, Mo., April 28-29.

Herbert G. Schlegel has been named vice-president of Hays-Taylor, Inc., manufacturer of paints and allied products, Buffalo.

Zinc from slag will be recovered in a plant to be built by the International Smelting & Refining Company at Tooele, Utah.

L. M. DuCommun, of the Pacific Paint & Varnish Company, San Francisco, is in the Hawaiian Islands on a business trip of six weeks.

Licorice consumption in the tobacco products industry in 1939, according to the Uniter States census, totaled 24,249,831 pounds valued at $2,854,766.

Continental Carbon Company has erected two cylindrical steel storage tanks for dustless carbon local at its Sunray, Tex., plant. Capacity of the new tanks is 1,500,000.

F. H. Leonhardt, president of Fritzsche Brothers, essential oils, this city, became a grandfather March 6 when his daughter, Mrs. Edward Stroh, jr., gave birth to a son.

Hilo Varnish Corporation, Brooklyn, has added M. E. Talbert to its industrial promotion department, Ernest Rigtoft for industrial sales work in Chicago district, and Sam Friedman for trade sales work in Detroit district.

G. H. Tomlinson, manager of the New York office of the Archer-Daniels-Midland Co., linseed crusher, Minneapolis, returned last week from a month's vacation in Florida.

"Modinal" D paste is name under which E. I. duPont de Nemours & Co., Wilmington, is marketing a product claimed to eliminate the second rinsing process in scouring piece goods.

Barnsdall Oil Company, Bartlesville, Okla., stockholders will vote April 22 on a proposal of the directors to charge to capital surplus the net deficit, in earned surplus resulting from the sale of 317,000 shares of Bareco Oil Company, and a further amount representing the reduction in value at which remaining shares of Bareco are carried on its books.

E.R. Woodward Joins Mathieson Sales Staff

Eric R. Woodward, formerly associated with The Barrett Company, has joined the sales development department of the Mathieson Alkali Works, this city. He will be connected with promotional work on new products.

E. R. Woodward

During the first World War Mr. Woodward held a commission in the Canadian Engineers and he was awarded the Military Cross by King George V.

Mr. Woodward was born in England, where he had his primary education. Later he came to Canada and attended McGill University, graduating with a degree of B.Sc. in chemical engineering.

Toilet Preparations Exports In January Tabulated

The value of United States exports of toilet preparations during January, according to the Bureau of Foreign and Domestic Commerce, was as follows:—

Classification.	Value.
Dental creams	$130,263
Other dentrifices	10,816
Talcum powder in packages	43,602
Face and compact powder	37,770
Cold creams	10,269
Vanishing creams	6,368
Other creams, lotions and balms	21,650
Rouges	12,973
Lipsticks	61,112
Other cosmetics	15,619
Manicuring preparations	22,079
Depilatories and deodorants	5,264
Hair preparations	43,230
Perfumery and toilet waters	22,305
Other toilet preparations	27,426

Walter Eller Made Manager Of Fritzsche Cinn. Office

Walter M. Eller, associated with the Philadelphia office of Fritzsche Brothers, essential oils, this city, has been named manager of the Cincinnati office. He succeeds his father, the late James R. Eller.

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Petroleum

(Continued from February 17 issue)

Acids Used in Manufacture of Petroleum Lubricating Greases

Abietic acid
Acetic acid
Acrylic acid
Arachidic acid
Behenic acid
Butyric acid
Capric acid
Caproic acid
Caprylic acid
Carnaubic acid
Cerotic acid
Crotonic acid
Daturic acid
Elaeomargaric acid
Formic acid
Hyaenic acid
Hypogaelic acid
Lauric acid
Linolenic acid
Linolic acid
Medullic acid
Meslissic acid
Myristic acid
Nondecylic acid
Oenanthylic acid
Oleic acid
Palmitic acid
Pelargonic acid
Pentadacylic acid
Propionic acid
Ricinoleic acid
Stearic acid
Tiglic acid
Tridecylic acid
Undecylic acid
Valeric acid

Catalysts Used in Cracking Petroleum

Alkaline silica gel with promoter compounds of caesium, potassium, rubidium, or thallium
Aluminum alloys
Aluminum oxide
Aluminum silicate
Alumina and silica
Aluminum sesquioxide
Antimony alloys
Antimony oxide
Bismuth alloys
Cadmium alloys
Cadmium oxide
Calcium alloys
Calcium aluminate
Calcium oxide
Cerium oxide
Chamotte coated with chromium oxide
Chromium alloys
Chromium oxide
Chromium sulphomolybdate
Cobalt balls
Cobalt oxide
Cobalt sulphomolybdate
Copper alloys
Copper oxide
Copper wire, hot
Ferric oxide
Ferric vanadochromate
Ferric vanadochromate impregnated with silver
Ferromanganese
Ferrotungsten slag
Ferrovanadium
Formic acid
Frankonite
Hydrated gel of silicon dioxide
Hydrous aluminum silicates
Iron
Iron alloys
Iron oxide
Ironvanadochromate
Iron wire, hot
Lead alloys
Lead oxide
Lime with iron or other metallic catalyst
Magnesia with iron or other metallic catalyst
Magnesium alloys
Magnesium chloride with aluminum silicate jelly treated with sodium hydroxide and chlorine.
Magnesium chloride with aluminum silicate jelly as bentonite
Magnesium oxide
Manganese
Manganese alloys
Manganese oxide
Metallic oxide
Molybdenum alloys
Molybdenum oxide
Nichrome wire
Sulphides of chromium, copper, iron, molybdenum
Nickel
Nickel alloys
Nickel balls
Nickel oxide
Nickel suboxide
Nickel-steel
Palladium
Palladium alloys
Palladium oxide
Permutogenetic substances
Platinum
Platinum wire, hot
Potassium vanadylvanadate on a siliceous carrier
Precipitated alkaline zeolite gel of aluminum, copper, zinc, quadrivalent vanadium, carrying pyrolusite as a filler
Quartz
Selenium alloy
Selenium alloy coating on pumice
Silica earth
Silica gel
Silver
Slags produced in refining ferro alloys
Sodium formate
Tantalum wire, hot
Thallium alloys
Thallium oxide
Tonsil
Zeolitic materials
Zinc alloys
Zinc oxide
Zirconium alloys
Zirconium oxide

Catalysts for Removing Sulphur Dioxide from Petroleum

Tellurium di-iodide
Tellurium tri-iodide

Catalyst Carriers in Petroleum Cracking

Alumina
Aluminum silicate
Bauxite
Bentonite
Celite earth
Charcoal
Clay, burnt
Fireclay
Florida earth
Fuller's earth
Japanese clay
Infusorial earth
Kieselguhr
Lime
Magnesium silicate
Montmorillonite
Pumice
Silica
Tonsil
Zinc oxide

Colorings for Petroleum Greases

Fluorescent green HW
Lubricating oil orange
Lubricating oil red (C)
Oil-soluble blue
Oil-soluble light yellow
Oil-soluble blue-green
Pyloil special violet
Sudan yellow

(To be continued)

Pharmaceutical Jellies

(Continued from March 17 issue)

Colors for Pharmaceutical Jellies

Blood orange
Bordeaux S
Brilliant pink
Calendula
Carmel
Carmine
Carminic acid
Carotin
Curcuma
Erythrosin
Guinea green B
Indigodisulphonic acid
Light green SF
Marigold
Methyl violet
Naphthol yellow S
Orange I
Para-aminoazobenzene
Parasulphonaphthaleneazobetanaphthodisulphonic acid, sodium salt
Ponceau 3R
Pylam red, yellow
Red S
Rosalic acid
Rosalin
Rose pink
Safflower
Saffron
Tartrazin
Turmeric
Vegetable colors
Yellow AB, OB

Preservatives for Pharmaceutical Jellies

Alcohol
Benozic acid
Chlorothymol
Formaldehyde solution
Methyl parahydroxybenzoate
Orthocyclohexylphenol
Oxyquinolin sulphate
Para-amylmetacresol
Parachlorometacresol
Parahydroxybenzoic acid esters
Para-tertiary-amylphenol
Salicylic acid
Sodium benzoate
Sodium fluoride
Sodium parahydroxybenzoate
Trichloro-tertiary-butyl alcohol
Zinc chloride

Phthalimide

Catalysts Used in Manufacture of Phthalimide

Ammonium vanadate
Molybdenum oxide
Nickel oxide
Platinum
Pumice
Vanadium oxide

Petroleum Products

Crude Scale Paraffin Advance Highlights Petroleum Market —Most Products in Above Average Demand—White Oils Quiet—Price Adjustments Made in California Fields

Changes in the market for refined petroleum products were confined to crude scale paraffin last week. The extreme scarcity and the active demand prompted another advance. Solvents and naphthas remained in heavy demand, with certain materials becoming less available. Butane and propane continued to set the pace in the lighter fractions division. Petrolatums were moving normally, with a slight broadening of demand noted. White mineral oils were sluggish. About 40 percent of California's crude oil output was affected by price changes that advanced the quotations on the lower gravities and reduced those on the higher gravities.

The ministry of agriculture in Cuba has increased the royalty collected from domestic producers of naphtha from 5 to 10 percent of the market value of the product at the well. A law of 1938 which established a 5 percent royalty on naphtha provided that when total production on the island exceeded 2,500,000 gallons annually the royalty would be increased. Total Cuban production during January 1 to November 30, 1940, amounted to approximately 4,947,625 gallons.

Price Changes

Advanced

Paraffin, crude scale, 10 to 15 points per lb.
Petroleum, crude, Calif., bulk, at well, lower gravities, 5c. per bbl.

Reduced

Petroleum, Calif., crude, bulk, at well, higher gravities, 1c. to 45c. per bbl.

Market news that may have developed after this report was sent to press will be found on page 4.

Solvents and Diluents

Aromatic Naphthas. — Consumers continued to show active interest in offerings, which were very limited and in some directions not made. Prices were steady and unchanged.

Cleaners' Naphtha. — Demand remained active, with offerings freely made. Shipments were in good volume. Price was firm and unrevised.

Lacquer Diluent.—Manufacturers of lacquer were ordering satisfactorily during the period under review. Price was steady.

Mineral Spirits.—Heavy call. Prices steady.

Rubber Solvent. — Good movement to rubber tire manufacturers. New business fair. Price firm and unrevised.

Stoddard Solvent.—Demand well maintaned. Price unchanged.

V. M. & P. Naphtha. — Heavy demand. Broader movement. Price firm.

Markets at Other Centers

Chicago—Mar. 21

Demand is better for solvents and diluents, with aromatics, cleaners' material and rubber solvent attracting most attention. Stoddard is reported in fair call, with V. M. & P. material firm to strong.

AROMATIC NAPHTHAS.—Orders active. Prices firm to strong.

CLEANERS' NAPHTHA.—Better call, market firm.

LACQUER DILUENT. — Takings improving, at steady prices.

MINERAL SPIRITS. — Orders brisk, quotations unchanged.

RUBBER SOLVENT. — Movement to tire interests active, market holding.

STODDARD SOLVENT.—Good interest, steady prices.

V. M. & P. NAPHTHA.—Paint makers' orders good. No change in price.

New Orleans—Mar. 21

Little change was noted in the domestic market on cleaning solvent and V. M. & P. naphtha. Prices were firm and buying continued conservative.

CLEANING SOLVENT.—Demand routine; price unchanged.

V. M. & P. NAPHTHA.—Sales volume fair, price steady.

San Francisco—Mar. 21

Call for petroleum specialty products was routine during the week. Materials used in paints and lacquers were being held in good volume. No price changes were noted.

AROMATIC NAPHTHAS.—Demand holding well.

CLEANERS' NAPHTHA.—Routine.

PETROLEUM THINNERS. — Excellent demand.

LACQUER DILUENT.—Very good demand.

V. M. & P. NAPHTHAS.—Active.

RUBBER SOLVENT.—Good demand.

STODDARD SOLVENT.—This product getting a good call.

Tulsa—Mar. 21

Paint manufacturers and rubber interests have been active in the market this week, with materials for later delivery sought. Demand for cleaning solvents and naphthas has been fairly well maintained.

CLEANERS' NAPHTHA. — Demand quiet. Quotations steady.

STODDARD SOLVENTS. — Inquiries fewer. Prices holding.

RUBBER SOLVENTS. — Broader demand. Prices firm.

V. M. & P. NAPHTHA.—Active bidding for next month's delivery. Quotations firm.

LACQUER DILUENT.—Demand active. Prices unchanged.

Lighter Fractions

Butane.—Heavy demand. Offerings limited. Supplies tight. Price firm to strong.

Heptane. — More buying interest noted. Price steady.

Hexane.—Consumers more active. No change reported.

Octanes.—Fair movement into consumption. New business small. Price unchanged.

Pentanes.—Normal deliveries. Pick-up in inquiries noted. Price firm and unchanged.

Propane.—Heavy demand with supplies tight. Price strong.

Markets at Other Centers

Chicago—Mar. 21

Orders for lighter fractions were improving, but the improvement was not extending to all materials, although tone generally was good. Butane, heptane and propane seemed to attract most attention. Undertone is firm.

BUTANE.—Demand active and prices strong.

HEPTANE. — Much interest, market steady.

HEXANE.—Orders good, no change in price.

OCTANES. — Orders fair, quotations stable.

PENTANES.—Movement moderate, no price change.

PROPANE. — Buying active, prices steady.

Tulsa—Mar. 21

Manufacturers are receiving greater volume of business and have no difficulty in marketing production for which the call is in excess of supply in most of the light fractions. Prices are firm to strong.

BUTANE.—Orders increasing. Quotations unchanged and strong.

PROPANE.—Wider demand. Quotations unrevised.

PENTANE.—Demand steady. Prices firm.

Petrolatums and Waxes

Paraffin.—Crude scale material advanced 10 to 15 points per pound to range of 2.85c. to 3c. for the 122-124 a.m.p. Supplies were much tighter during the week. Some prospective consumers could not obtain material.

Petrolatums. — Demand broadened slightly. Prices steady.

White Mineral Oils.—Buying remained small. Prices unchanged.

Markets at Other Centers

Chicago—Mar. 21

A firmer tone and steady prices are features of petrolatums and waxes. The paraffin division is scene of the principal strength, with orders brisk for both crude and refined wax. Petrolatums are moving well, white mineral oils dull.

PARAFFIN.—Orders good, market firm.

PETROLATUMS. — Fair buying, no price change.

WHITE MINERAL OILS.—Fair interest, prices unchanged.

Tulsa—Mar. 21

The market for paraffin and pertolatums is more active this week. Crude scale paraffin prices were stronger.

PARAFFIN.—More demand. Prices stronger.

PETROLATUMS.—Demand quiet. Quotations holding.

Fuels and Lubricants

Gasoline.—Good call. Prices firm.

Kerosene.—Normal movement of stocks. Prices steady.

Lubricating Oils.— Pennsylvania grades were in heavy demand. Prices were unchanged and strong.

Crude Oil Price Changes

Adjustments made in California crude prices, affecting about 40 percent of the production there, included average advance of 5c. per barrel for lower gravity crudes and reductions of from 1c. to 45c. per barrel for higher gravities.

Markets at Other Centers

Chicago—Mar. 21

Gasoline prices are about ½c. higher in the tankcar market. Kerosene demand is opening up. Lubricating oil interest is better, with prices firmer.

GASOLINE.—Buying heavy, prices ½c. higher.

KEROSENE.—Demand improved, market steady.

LUBRICATING OILS.—Good interest, prices firmer.

New Orleans—Mar. 21

Continued quiet was reflected in the market on gasoline. There was no

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Nat. Pet. Ass'n, April 25-26, Cleveland.

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change in the demand for kerosene, market conditions continuing to evidence a steady trend.

GASOLINE.—Demand normal; price unchanged.

KEROSENE.—Market steady; unchanged price.

Tulsa—Mar. 21

General tightening of gasoline quotations developed, with advances expected momentarily.

GASOLINE.—Demand active. Prices rising.

LUBRICANTS.—Sharp advances in demand. Prices rising.

Trade Briefs

Joseph A. Cistello has been made manager of the New York division of the Ethyl Gasoline Corporation.

Louisiana Standard Oil is building a plant at Chalmette, La., for the receipt, distribution and storage of petroleum products. The plant is expected to be finished by July 1.

John von Carlowitz, purchasing agent and export manager for the Bradford Oil Refining Company, Bradford, Pa., has been named vice-president and treasurer of the company.

Delta Refining Company plans a $500,000 crude oil refinery in Memphis, Tenn., with production set to start May 1.

O. D. Donnell, of the Ohio Oil Company, Findlay, Ohio, has been appointed chairman of the American Petroleum Institute's 1941 central power committee.

John E. Skehan has been elected a vice-president of the Standard Oil Company of New Jersey, incorporated in Delaware, which is a domestic operating subsidiary of the Standard Oil Company of New Jersey.

Carter Oil Company, Tulsa, Okla., will absorb the Louark Producing Company, organized eight months ago to operate the producing properties of the Standard Oil Company of Louisiana in Arkansas and Louisiana.

Lawrence A. Appley, in charge of education and training for Socony-Vacuum Oil Company, Inc., this city, has received a leave of absence to become consultant to the Secretary of War in the training of civilian personnel for the War Department.

Petroleum Control Laws To Reflect Probe Data

—*Continued from page* 5

branches of the oil industry and for pipeline and railroad interests.

The sub-committee has before it the administration proposal for Federal regulation of conservation and production practices, embodied in a bill sponsored in the last Congress by Representative William P. Cole, jr., of Maryland, chairman of the subcommittee, but under authority of a House resolution it is investigating all phases of the oil industry. Extensive hearings were held during the last Congress, but recently President Roosevelt asked further consideration of national defense aspects and also consideration of railroad and other opposition to construction of new pipelines. Soon after the close of the hearings the committee is expected to make a report to the house, which may become the basis for legislation.

President Roosevelt this week sent a telegram to Governor Eugene Talmadge of Georgia asking the Georgia legislature to enact legislation giving pipelines the right of eminent domain in order to condemn rights of way across railroad property. Railroad interests in that state have blocked construction of oil pipelines which the President stated are necessary for national defense.

American Cyanamid Earnings Show Increase in 1940

Net income of American Cyanamid Company for 1940 amounted to $6,629,729. After making provision for dividends on the preferred stock, earnings for the common stock were $6,395,666, equivalent to $2.44 per share. In 1939 earnings on the common stock were $5,420,748, equivalent to $2.07 per share.

The company has set aside $1,000,000 out of earnings for the year and added to contingency reserve against the risks attending larger inventories, difficulties in the determination of liabilities under new Federal and foreign tax legislation, and the uncertainties which surround the general outlook for business. Deductions for depreciation and depletion amounted to $3,844,818, equivalent to $1.46 per share of common stock. This compares with $3,125,057 in 1939, equivalent to $1.19 per share.

Fertilizer Materials

Movement of Mixed Fertilizer Materials Starts to Broaden—Feed Products in Heavy Call—Blood, Tankage Higher—Cottonseed Meal Reduced — Potash Supplies Held Adequate

Movement of mixed fertilizer goods started to broaden last week. Shipping instructions reached mixers in larger volume and deliveries were less moderate. With more space available, mixers were ordering raw products in better measure. A much better call for feed material was reported. Blood was advanced at Chicago and tankage was higher at Chicago and New York. Prices on Southern California fish meal strengthened. Cottonseed meal was lower. Export call for sulphate of ammonia remained heavy but prospective sellers were encountering difficulty in obtaining export licenses. Prices on ammonia phosphate and cyanamid were withdrawn in face of lack of spot supplies.

The Bureau of Mines reported during the week that domestic potash supplies were sufficient to meet all the requirements of the country. The United States last year produced 658,249 short tons of processed or refined potash salts, a rise of 20 percent over 1939. The bureau said that this country could expect no importations of the material in 1941.

Nitrogenates

Ammonia Phosphate.—Good demand. Offerings limited. Price withdrawn.

Anhydrous Ammonia.—Limited supplies. Demand fairly large. New business not accepted by prominent suppliers. Price firm.

Cyanamid.—Very tight. Spot material unavailable. Prices withdrawn.

Dried Blood.—High-grade ground material advanced 15c. per unit to $3. f.o.b. Chicago. Other grades firm and unchanged. Slight pick-up in buying noted.

Fish Scrap.—No Chesapeake Bay menhaden meal sales reported. Prices purely nominal.

Nitrate of Soda.—Movement showed signs of broadening. Heavy shipping season under way. Price steady and unchanged.

Nitrogenous Material.—Good call. Prices steady and unchanged.

Sulphate of Ammonia.—Heavy export call. Shipments to foreign buyers curtailed by difficulty in obtaining licenses. Supplies tight for domestic consumption. Prices firm and unrevised.

Tankage.—Feed material prices showing strength. Advanced 20c. per unit to $2.60 and 10c. at New York and 25c. per unit to $3 and 10c. at Chicago. Fertilizer grade firm and unchanged.

Potashes

Volume of shipments remained small during the period under review. Producers were awaiting call for replacement material in the late Spring. Prices remained firm and unrevised.

Phosphates

Bone Materials.—Fairly good call reported. Feed type bone was in better demand. Imported product was less available. Prices were firm and unchanged.

Phosphate Rock.—Domestic movement remained narrow, while export call continued to broaden. Heavy shipments to Midwest. All prices firm to strong.

Superphosphate.—Consumers began ordering in better fashion but movement remained somewhat narrow. Shipments were routine. Prices firm and unchanged.

Sulphur and Pyrites

Movement of crude sulphur remained normal with satisfactory amounts being shipped to consumers. Buying was not as heavy as at the turn of the year but the market was maintained at a firm level. Price was steady and unchanged .

Price Changes

Advanced

Blood, high-grade grd., 15c. per unit, f.o.b. Chi.
Tankage, feeding, 20c. per unit, f.o.b. N. Y.
25c. per unit, f.o.b. Chi.
Fish scrap, meal, 65%, So. Calif., $1 per ton, f.o.b. San Pedro

Reduced

Cottonseed meal, 8%, 50c. per ton. Southeastern mills

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
68.0	68.0	68.0	67.0

Market news that may have developed after this report was sent to press will be found on page 4.

Markets at Other Centers

Atlanta—Mar. 21

Cold and wet weather is reported retarding the fertilizer market. Fill-in orders for materials are waiting the movement from factories to dealers to make room for further production. Cottonseed meal has been vacilating sharply and has dipped again to $26 per ton in the Southeast.

SUPERPHOSPHATE.—55c per unit, interior producing points.

NITRATE OF SODA.—Bulk, ports, $27 per ton.

COTTONSEED MEAL.—8 percent grade, $26 to $26.50 per ton, Southeast.

BLOOD.—Foreign, $2.75 per unit, ports; $3, Chicago.

TANKAGE.—Fair demand at $2.75 and 10c., ports.

Baltimore—Mar. 21

The market for crude fertilizer materials continued routine.

FISH SCRAP.—Spot menhaden meal is very scarce.

SUPERPHOSPHATE.—Users of superphosphates are not active and nominal figures remain at $8 per ton for run-of-pile, $8.50 per ton for 16 percent flat material.

TANKAGE.—The market quiet with offerings light. Last sales reported at $2.40 and 10c. per unit-ton.

DRIED BLOOD.—Stronger, with sale reported at $2.70 per unit for domestic supplies.

Chicago—Mar. 21

A firm market tone prevails in the fertilizer materials, with most products in the organics list steady to a shade higher. Volume of business is reported to have been fairly good in the last few days, with buyers apparently anticipating some improvement in keeping with the strength shown in related markets. Blood is quiet but firm. Tankage business continues rather extensive. Bone materials are reported in moderately good demand.

BLOOD.—Principal grade, $3 per unit of ammonia.

TANKAGE.—High grade, feeding, $3; liquid stick, $1.40 to $1.50; hoof meal, $2.65 to $2.70.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $40; 3 and 50 percent, $35 to $37; 4½ and 50 percent, $42.50 to $43; grinding hoofs, pigs' toes and waste horn materials, $34 to $35; cattle jaws, skulls and knuckles, $32.50 to $35; beef cracklings, soft pressed, $32.50 to $37.50; pork cracklings, soft pressed, $55 to $37.50; hard pressed cracklings, per unit of protein, 57½c. to 62½c.

San Francisco—Mar. 21

Current activity in the crude fertilizers material market is apparently tempered only by the amount of material on the market. Buying interest is good. Large supplies of both unfinished and mixed goods are going into agricultural districts. Buying of nitrate of soda is quite heavy.

SULPHATE OF AMMONIA.—Last sales reported on basis of $44 per ton, ex-ship, ports, and $45, delivered inland points, with Canadian shippers indicating further lots might be secured on this basis.

SUPERPHOSPHATE. — Domestic, 80c. per unit in bulk, f.o.b. San Francisco. Bags, 91c.

NITRATE OF SODA.—Demand very good. Shipping instructions excellent. 100-pound bags, $29.40 per ton, ex-vessel or warehouse. 167-pound bags, $28.70. Bulk, $27.

FISH MEAL.—Very strong and scarce. Spot, 67 percent protein, $60 per ton, f.o.b. San Francisco Bay points and 65 percent protein at $58, f.o.b. Monterey. Southern California meal, 65 percent at $56, f.o.b. San Pedro.

TANKAGE.—Dry rendered, ground, 50 percent, $39 to $40 per ton, f.o.b. cars; 55 percent, $41.25. Unground, dry rendered, 67½c. to 70c. per unit of protein, f.o.b. cars, South San Francisco.

BLOOD MEAL.—$2.85 per unit, f.o.b. cars, Los Angeles; nominal.

BONE MEAL.—$29 to $45 per ton, delivered, ports.

Potash Production Up 20% in 1940

—Continued from page 4

from domestic ores, sulfate of potash-magnesia, which has been regarded as indispensable to the fertilizer industry of this country and hitherto supplied by importations not now available.

The production of sulfate of potash has increased noticeably in the last two years as has the production of high-grade muriate for the manufacture of chemicals. A small quantity of mixed salts is also included in the total figures. Operations near Carlsbad, New Mexico, which now furnish the largest part of the potash materials, are carried on by the Potash Company of America, United States Potash Company, Inc., and by the Union Potash and Chemical Company, which operated commercially for the first time in 1940. The latter company produces langbeinite from which the sulfate of potash-magnesia is made. Sylvinite is also produced at this mine.

The total crude ore mined in the Carlsbad region in 1940 was over 1,200,000 tons, and the refined and processed salts produced amounted to over 440,000 tons. An important production of potash salts is from the saline deposits at Trona, California, by the American Potash & Chemical Corporation, where they are obtained as co-product with borax, sodium carbonates, sodium sulfate, lithium compounds, and bromine.

There is also a production of potash from saline deposits at Wendover, Utah, by Bonneville, Ltd. Other potash salts are produced in connection with cement plant dust by the North American Cement Corporation at Security, Md., and from distillery waste by the U. S. Industrial Chemicals, Inc., Baltimore, Md.

Imports of potash increased 18.5 percent to 289,037 tons of fertilizer and chemical salts containing about 118,690 tons of K_2O. Although this represents an increase over 1939, it is less than one-third of the quantity imported in 1937. Only a few thousand tons were received from Germany, Belgium, and the Netherlands, but cargoes from France continued to arrive until about the middle of June and accounted for two-thirds of the gross tonnage entered at American ports. Shipments of muriate from Spain beginning in July totaled more than 25,000 tons and Chile supplied around 50,000 tons of sodium-potassium nitrate.

Potash Materials Imported

Materials.	1939 Short tons.	1939 Percent of total.	1940 Short tons.	1940 Percent of total.
Used chiefly in fertilizers:—				
Kainite	301	..	....	..
Manure salts	20,591	4.1	36,175	6.1
Muriate (chloride)	2,078	.7	442	.1
Potash-magnesia sulfate	94,417	53.2	152,494	72.5
Potassium nitrate, crude	12,610	3.4	3,900	.9
Potassium-sodium nitrate mixtures, crude	9,463	3.8	1,308	.4
Sulfate	55,164	7.7	55,016	6.5
Other potash fertilizer material*	42,463	21.2	25,013	10.5
	149	.1	125	.1
Total fertilizer	237,236	94.2	274,473	97.1
Used chiefly in chemical industries:—				
Bicarbonate	121	..	14	..
Bitartrate:—				
Argols	8,685	..	11,903	..
Cream of tartar	3	..	....	..
Carbonate	217	..	9	..
Caustic	332	..	46	..
Chlorate and perchlorate	5,978	..	1,789	..
Cyanide	51	5.8	10	2.9
Ferricyanide (red prussiate)	210	..	31	..
Ferrocyanide (yellow prussiate)	28	..	....	..
Iodide	(2)	..	(2)	..
Nitrate, refined	2,604	..	616	..
Permanganate	91	..	(2)	..
All other	256	..	146	..
Total chemical	18,576	5.8	14,564	2.9
Grand total	255,812	100.0	289,037	100.0

* Chiefly wood ashes from Canada.
(2) Less than one ton.

FERTILIZER MATERIALS
Domestic — Import — Export
FRANK R. JACKLE
405 Lexington Ave., New York
Telephone: MU 9-9188
Cable Address: "JACKLECO"

★ Domestic MADE IN U.S.A.
THE BARRETT COMPANY
40 RECTOR ST., NEW YORK
SULPHATE OF AMMONIA
AND AMMONIA LIQUOR

CRUDE SULPHUR
99½% PURE
Free From
ARSENIC, SELENIUM AND TELLURIUM
TEXAS GULF SULPHUR COMPANY
(INCORPORATED)
75 East 45th St., New York City
Deposits and Plants: Newgulf and Long Point, Texas

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

Shipping Information

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Imports at U.S. Ports

New York Imports

ACID, TARTARIC—50 cks, George Piccardi, Buenos Aires

ANTIMONY CONC—500 bgs, Chase National Bank, Antofagasta
300 bgs, Bank of Minero de Bolivar, Antofagasta
ORE—766 bgs, Bank of Minero de Bolivar, Antofagasta
675 bgs, J Henry Schroeder Banking Corp, Antofagasta
664 bgs, Bank of Minero de Bolivar, Antofagasta
400 bgs, Tampico

APRICOT KERNELS—70 bgs, Braun Importing Co, Tokyo
70 bgs, Braun Importing Co, Dairen

ARROWROOT FLOUR—144 bgs, Wolmet Raw Prod Co, Batavia

ARSENIC, WHITE—200 cs, H H Rosenthal Co, Kobe

ASBESTOS—100 bgs, Johns Mansville Co, Capetown

BABASSU KERNELS—24,609 bgs, 1,500 tons, General Food Corp, Brazil
3,332 bgs, 200 tons, General Food Corp, Brazil

BALSAM—20 cs, W R Grace & Co, Cristobal
10 dms, Kingston

BONE MEAL—1,000 bgs, Buenos Aires

BRISTLES—50 cs, S Hirshenhorn & Sons, Tientsin
26 cs, Mitsubishi-Shoji-Kaisha, Tokyo
10 cs, M Broverman & Son, Tokyo
60 cs, S Hirshenhorn & Son, Tokyo
26 cs, Bingham & Co, Mukden
50 cs, H E Botozow, Mukden
6 cs, F H Cone & Co, Kobe
3 cs, H Rosenhirsch Co, Kobe
11 cs, F H Cone & Co, Kobe
7 cs, F W Von Stade, Kobe
14 cs, H Rosenhirsch Co, Dairen
27 cs, H Rosenhirsch Co, Dairen
52 cs, Pittsburgh Plate Glass Co, Dairen
79 cs, N Wagman Co, Dairen
55 cs, F H Cone & Co, Dairen
41 cs, Pittsburgh Plate Glass Co, Dairen
91 cs, N Wagman Co, Dairen
56 cs, Pittsburgh Plate Glass Co, Dairen
30 cs, N Wagman Co, Dairen

BUCHU LEAVES—10 bls, S B Penick & Co, Capetown

CALCIUM TARTRATE—292 bgs, Bunge North American Trading Co, Buenos Aires
891 bgs, Bunge North American Trading Co, Buenos Aires

CAMPHOR, REFD—300 cs, McKesson & Robbins, Kobe
35 cs, Mitsui & Co, Kobe

CARDAMOM—38 bxs, J S Toledano & J M Pinto, Colombo
20 bgs, Colombo
40 cs, Volkart Bros, Colombo
40 cs, Colombo
20 cs, Colombo
10 cs, Colombo
14 cs, Holland Colombo Society, Colombo
47 cheats, J S Toledano & J M Pinto, Colombo

CASEIN — 834 bgs, Chase National Bank, Buenos Aires
834 bgs, American Cyanamid & Chem Co, Buenos Aires

CASSIA—89 bls, H P Winter & Co, Padang
101 bls, A G Dunn, Padang
129 bls, Geo L Curtin, Padang
87 bls, Catz American Co, Padang
82 bls, H P Winter & Co, Padang
102 bls, Sino Java Hvg, Padang
126 bls, A G Dunn, Padang
107 bls, A G Dunn, Padang
119 bls, H P Winter & Co, Padang
177 bls, Sino Java Hvg, Padang
86 bls, A G Dunn, Padang
260 bls, H P Winter & Co, Padang
78 bls, Sino Java Hvg, Padang
83 bls, A G Dunn, Padang
VERA—259 bls, H P Winter & Co, Padang
182 bls, H P Winter & Co, Padang
229 bls, H P Winter & Co, Padang

CASTOR BEANS — 333 bgs, Bunge North American Grain Co, Pernambuco
3,400 bgs, Baker Castor Oil Co, Bahia
5,100 bgs, Bahia
1,700 bgs, Baker Castor Oil Co, Bahia
3,388 bgs, Spencer Kellogg & Co, Bahia
5,100 bgs, Guaranty Trust Co, Bahia
1,700 bgs, Baker Castor Oil Co, Bahia
1,693 bgs, Spencer Kellogg & Sons, Bahia
5,082 bgs, Spencer Kellogg & Sons, Bahia
10,160 bgs, Spencer Kellogg & Sons, Bahia
3,400 bgs, Baker Castor Oil Co, Recife
3,400 bgs, Spencer Kellogg & Sons, Recife
6,800 bgs, Baker Castor Oil Co, Recife
1,700 bgs, Blue Point Oil Corp, Recife
1,700 bgs, Baker Castor Oil Co, Recife
3,400 bgs, Baker Castor Oil Co, Recife

CHILLIES—134 bgs, Rosen & Cross, Bombay
134 bgs, I Harrison & Whitney, Mombasa

CHROME ORE—1 bg, Philipp Bros, Capetown
2,500 tons, Electro Metallurgical Co, Beira
2,500 tons, Electro Metallurgical Co, Beira

CINNAMON QUILLS — 100 bls, Ernest S Klinke, Colombo
150 bls, Ernest S Klinke, Colombo
100 bls, Ernest S Klinke, Colombo
150 bls, C T Wilson & Co, Colombo
150 cyls, C T Wilson & Co, Colombo
50 cyls, C T Wilson & Co, Colombo

CLOVES—350 bls, Greene Trading Co, Zanzibar
600 bls, Geo Uhe Co, Zanzibar
325 bls, A G Dunn, Zanzibar
600 bls, Geo Uhe Co, Zanzibar
100 bls, Jewett & Sherman, Zanzibar
500 bls, Geo Uhe Co, Zanzibar
75 bls, O Gerdau Co, Zanzibar
90 bls, Knickerbocker Mills Co, Zanzibar
300 bls, A G Dunn, Zanzibar

COBALT BEARING RESIDUE — 325 dms, African Metal Corp, Beira

COCOA BEANS—1,000 bgs, W R Grace & Co, La Guaira
100 bgs, Meyer & Co, Puerto Cabello
100 bgs, W R Grace & Co, Puerto Cabello
300 bgs, Nieschlag & Co, Puerto Cabello
500 bgs, Wessel, Duval & Co, Puerto Cabello

COCOA BEANS—250 bgs, Guayaquil
48 bgs, Nieschlag & Co, Cristobal
71 bgs, New York Mail S S Co, Puerto Plata
466 bgs, Curacao Trading Corp, Trujillo
490 bgs, Curacao Trading Corp, Trujillo
16,000 bgs, Balfour, Guthrie & Co, Takoradi
1,187 bgs, Balfour, Guthrie & Co, Takoradi
1,786 bgs, Balfour, Guthrie & Co, Takoradi
12,800 bgs, Balfour, Guthrie & Co, Takoradi
17,630 bgs, Balfour, Guthrie & Co, Lagos
5,528 bgs, Balfour, Guthrie & Co, Lagos
19,170 bgs, Balfour, Guthrie & Co, Apapa
7,994 bgs, Balfour, Guthrie & Co, Apapa
16,000 bgs, Balfour, Guthrie & Co, Takoradi
10,858 bgs, Balfour, Guthrie & Co, Takoradi
10,000 bgs, Nieschlag & Co, Ilheos
5,000 bgs, Wessel, Kulenkampf & Co, Ilheos
750 bgs, Guayaquil
250 bgs, Wessel, Duval & Co, Guayaquil
250 bgs, Guayaquil
300 bgs, Kennedy, Butcher & Co, Trinidad
250 bgs, Middleton & Co, Trinidad
250 bgs, Wessel, Kulenkampf & Co, Trinidad
250 bgs, Kennedy, Butcher & Co, Trinidad
6,000 bgs, Bahia
4,000 bgs, W R Grace & Co, Bahia
2,000 bgs, J Henry Schroeder Banking Corp, Bahia
227 bgs, Wessel, Kulenkampf & Co, Trujillo
286 bgs, Wessel, Kulenkampf & Co, Trujillo
650 bgs, Irving Trust Co, Trujillo
235 bgs, Gillespie & Co, Trujillo
50 bgs, Machado & Co, Sanchez
265 bgs, Gillespie & Co, Sanchez
400 bgs, Curacao Trading Co, Sanchez
271 bgs, Wessel, Kulenkampf & Co, Sanchez
103 bgs, Machado & Co, Puerto Plata

COCONUT, DESIC—2,220 bgs, General Food Corp, Manila
1,080 bgs, General Food Corp, Manila

COCONUTS—500 bgs, General Food Corp, Kingston
181 bgs, Universal Import & Export Co, Kingston
142 bgs, I L Toledano Corp, Cristobal

CORIANDER SEED—400 bgs, Abecassis & Abelson, Fort France

COTTON LINTERS — 100 bls, Williamson Prod Co, Santos
1,293 bls, Williamson Prod Co, Santos
1,236 bls, Anderson, Clayton & Co, Pernambuco

CUMIN SEED — 160 bgs, Mecke & Co, Karachi
100 bgs, Public National Bank Trust Co, Bombay
100 bgs, Grace National Bank, Karachi

DILLSEED—177 bgs, A G Dunn, Bombay
86 bgs, Biddle Purchasing Co, Bombay
200 bgs, Becker-Kayser Seed Co, Bombay
300 bgs, C M Van Sillevoldt, Bombay
400 bgs, Raphael H Elmaleh Corp, Bombay
68 bgs, Walter Loewy, Bombay
80 bgs, R T French Co, Bombay
400 bgs, Manufacturers Trust Co, Bombay

DIVI DIVI—2,625 bgs, Chase National Bank, Barranquilla

DOGWOOD BARK—75 bgs, S B Penick & Co, Kingston

EARTH—12 bgs, R L Underwood, Vera Cruz

FENNEL SEED — 100 bgs, Freedman & Slater, Bombay

FISH SOUNDS—8 cs, W T Neland, Maracaibo

FLEASEED—130 bgs, R J Prentiss & Co, Bombay
130 bgs, R J Prentiss & Co, Bombay

GINGER ROOT — 60 bgs, Royal Bank of Canada, Kingston

GLUESTOCK—46 bls, Melchers, Inc, Buenos Aires
102 bls, Chase National Bank, Buenos Aires
500 bls, Calcutta

GLYCERIN—154 dms, Corn Exchange Bank Trust Co, Buenos Aires
110 dms, Buenos Aires
89 dms, Buenos Aires
109 dms, Buenos Aires

GRAPHITE—800 bgs, C E Pettinos, Durban
479 bgs, C E Pettinos, Durban

GREAVES—1,257 cakes, Buenos Aires
3 bgs, Buenos Aires

GUM, CHICLE—525 bls, M D Bromberg, Tampico

COPAL — 118 baskets, O G Innes Corp, Macassar
94 baskets, O G Innes Corp, Macassar
186 baskets, Manufacturers Trust Co, Macassar
197 baskets, O G Innes Corp, Macassar
185 baskets, Manufacturers Trust Co, Macassar
143 baskets, Chase National Bank, Macassar
188 baskets, Manufacturers Trust Co, Macassar
58 baskets, Chase National Bank, Macassar
204 baskets, Chase National Bank, Macassar
130 baskets, Bank of Manhattan, Macassar
68 baskets, Chase National Bank, Macassar
137 baskets, Bank of Manhattan, Macassar
193 baskets, Chase National Bank, Macassar
411 baskets, Chase National Bank, Macassar
185 baskets, O G Innes Corp, Ambon
62 baskets, Chase National Bank, Ambon
125 baskets, O G Innes Corp, Ambon
58 baskets, Chase National Bank, Tala
57 baskets, Chase National Bank, Ambon
73 baskets, Chase National Bank, Macassar

DAMMAR—100 cs, H P Winter & Co, Padang
100 bgs, Sino Java Hvg, Padang
100 cs, O G Innes Corp, Padang

GUM, DAMMAR—44 cs, O G Innes Corp, Padang
149 cs, H P Winter & Co, Padang
100 cs, Sino Java Hvg, Padang
70 bgs, Sino Java Hvg, Padang
191 bgs, O G Innes Corp, Macassar
210 bgs, O G Innes Corp, Macassar
25 bgs, Chase National Bank, Macassar
68 bgs, Chase National Bank, Macassar
64 bgs, Chase National Bank, Macassar
70 bgs, Bank of Manhattan, Macassar
210 bgs, Chase National Bank, Macassar
1,260 bgs, O G Innes Corp, Singapore
210 bgs, G W S Patterson & Co, Singapore
210 bgs, France, Campbell & Darling, Singapore
1,260 bgs, O G Innes Corp, Singapore
140 bgs, H P Winter & Co, Singapore

KARAYA—140 bgs, Orbis Product Corp, Bombay
140 bgs, S B Penick & Co, Bombay
210 bgs, American Cyanamid & Chem Co, Bombay
132 bgs, T M Duche & Sons, Bombay
67 bgs, Innis, Speiden & Co, Bombay
667 bgs, Jacques Wolf & Co, Bombay
66 bgs, Wm M Allison & Co, Bombay
400 bgs, T M Duche & Sons, Bombay
99 bgs, Innis, Speiden & Co, Bombay
134 bgs, Jacques Wolf & Co, Bombay
66 bgs, W M Allison & Co, Bombay
134 bgs, W M Allison & Co, Bombay

NESPERA—12 bgs, Chicle Development Co, Cristobal

OLIBANUM—32 cs, A D Isbetcherian, Bombay
67 bgs, A D Isbetcherian, Bombay
134 bgs, S B Penick & Co, Bombay
16 cs, A D Isbetcherian, Bombay
30 cs, A D Isbetcherian, Bombay
100 bgs, Corn Exchange Bank & Trust Co, Bombay
50 bgs, Trust Co of North America, Bombay
300 bgs, Guaranty Trust Co, Bombay
100 bgs, Corn Exchange Bank & Trust Co, Bombay

HEMPSEED — 204 bgs, Mitsubishi Shoji Kaisha, Tokyo
205 bgs, Mitsubishi Shoji Kaisha, Tokyo

HORN PITHS—560 bgs, Buenos Aires
1,068 bgs, Buenos Aires

ILMENITE—1,000 tons, C Tennant Sons & Co, Kolhittara

IPECAC ROOT—66 bgs, Wessel, Duval & Co, Cristobal
10 bgs, Murbas Trading Co, Cristobal
6 bgs, Wessel, Duval & Co, Pt Limon

JALAP ROOT—31 bgs, Vera Cruz

LEAD CONC—492 bgs, Wedemann & Godknecht, Beira
519 bgs, Wedemann & Godknecht, Beira

LOOFAHS — 100 bls, American Sponge & Chamois Co, Kobe

MACE—24 cs, Chemical Bank & Trust Co, Padang
32 cs, Chemical Bank & Trust Co, Padang

MAGNESITE, CALC—900 bgs, Calcutta
600 bgs, Calcutta

GRAIN—300 bgs, Calcutta

MANIOC FLOUR—1,000 bgs, H S Cramer & Co, Bahia

MEDICINAL PREPS—2 cs, Bayer & Co, Curacao
14 cs, Vera Cruz
121 cs, Vera Cruz

MICA—76 cs, A O Schoonmaker Insulation Co, Vera Cruz
94 cs, Mercantile Import & Export Co, Calcutta

BLOCK—62 cs, Heyman & Co, Calcutta
18 cs, Ford Radio & Mica Corp, Calcutta
23 cs, Heyman & Co, Calcutta
10 cs, Mercantile Import & Export Co, Calcutta
100 cs, Ford Radio & Mica Corp, Calcutta
32 cs, O Gerdan & Co, Calcutta

CUT—9 cs, Ford Radio & Mica Corp, Calcutta

DISCS—4 cs, Ford Radio & Mica Corp, Calcutta
9 cs, Heyman & Co, Calcutta

FILM—7 cs, Heyman & Co, Calcutta
4 cs, Mercantile Import & Export Co, Calcutta
15 cs, Schwab Bros, Calcutta
11 cs, W Brand & Co, Calcutta
4 cs, Mercantile Import & Export Co, Calcutta
10 cs, Mercantile Import & Export Co, Calcutta
11 cs, Heyman & Co, Calcutta

SPLITTINGS—7 cs, Heyman & Co, Calcutta
19 cs, Mercantile Import & Export Co, Calcutta
10 cs, Anglo American Colonial Co, Calcutta
60 cs, Cornelis & Suhr, Calcutta
54 cs, A O Schoonmaker Insulation Co, Calcutta
45 cs, Cornelis & Suhr, Calcutta
45 cs, A O Schoonmaker Insulation Co, Calcutta
52 cs, Heyman & Co, Calcutta
129 cs, Heyman & Co, Calcutta
171 cs, Mica Insulator Co, Calcutta
284 cs, Mica Insulator Co, Calcutta
2 cs, Heyman & Co, Calcutta

MOLASSES—171,110 gls, American Molasses Co, Havana

MUSTARD SEED—250 bgs, W R Grace & Co, Valparaiso

NUTMEGS—118 bgs, Dodge & Olcott Co, Padang
207 bgs, Dodge & Olcott Co, Padang
230 bgs, Dodge & Olcott Co, Padang
232 bgs, G L Curtin, Padang
260 bgs, G L Curtin, Padang
198 bgs, Givaudan-Delawanna, Padang
20 bgs, Givaudan-Delawanna, Padang
212 bgs, Dodge & Olcott Co, Padang
208 bgs, Catz American Co, Padang
47 bgs, W J Bush & Co, Padang

OIL, CAMPHOR—5 dms, Magnus, Mabee & Reynard, Tientsin
25 dms, Orbis Product Corp, Kobe

CANANGA—4 dms, Bank of New York Trust Co, Batavia

CHINAWOOD—638 tons, Universal Trading Co, Hongkong

CINNAMON LEAF—8 dms, Givaudan-Delawanna, Colombo
4 dms, Givaudan-Delawanna, Colombo

CITRONELLA—5 dms, Catz American Co, Batavia
16 dms, Irving Trust Co, Batavia
11 dms, Catz American Co, Batavia
44 dms, Bank New York Trust Co, Batavia
11 dms, Catz American Co, Batavia

OIL, CITRONELLA—24 dms, Batavia
COD—125 dms, Canada
ESSENTIAL—2 dms, Vera Cruz
21 bbls, H A Sothern, Havana
FUEL—10,000 bbls, Asiatic Petroleum Corp, Curacao
ORANGE—4 cs, Magnus, Mabee & Reynard, Kingston
4 dms, Fritzsche Bros, Kingston
PATCHOULI—2 dms, Bank of New York Trust Co, Batavia
PERILLA—358 tons, Mitsui & Co, Tokio
721 tons, Mitsui & Co, Tokio
PIMENTO LEAF—7 cs, Dodge & Olcott Co, Kingston
POLLACK LIVER—200 dms, Dodwell & Co, Yokohama
SPERM—30 dms, Scotland

PAPAIN—12 cs, Carter Cummings & Co, Mombasa
22 cs, R J Prentiss & Co, Colombo

PEPPER—300 bgs, Vera Cruz

POPPYSEED — 30 bgs, Wecoline Prod Co, Karachi
145 bgs, Wagner Bros Feed Corp, Karachi
66 bgs, Hinton & Co, Bombay
160 bgs, J Spitz & Co, Bombay
160 bgs, Raphael H Elmaleh Corp, Bombay

PYRETHRUM FLOWERS — (Correction)—2,200 bls from Dar es Salaam in the issue of March 17 was entered in error

QUASSIA CHIPS—81 bgs, Peek & Velsor, Kingston

QUINCE SEED—16 bgs, S B Penick & Co, Karachi

RAPESEED—120 bgs, Hinton & Co, Karachi
466 bgs, Kniper & Bolte, Buenos Aires
384 bgs, A G Dunn, Buenos Aires

RHUBARB—168 bgs, C Itoh & Co, Tientsin

SAGO FLOUR—378 bgs, Stein, Hall & Co, Singapore
400 bgs, National Starch Prod Inc, Singapore

SAPONIN—34 cs, W R Grace & Co, Valparaiso

SARSAPARILLA ROOT—10 bls, S B Penick & Co, Kingston

SENNA LEAVES—60 bls, Colombo
40 bls, Colombo

SESAME SEED—180 bgs, William G Scarlett & Co, Bombay

SHELLAC—200 bgs, Ralli Bros, Calcutta
400 bgs, Ralli Bros, Calcutta
100 bgs, Cornelis & Suhr, Calcutta
200 bgs, Cornelis & Suhr, Calcutta
50 bgs, Dings & Schuster, Calcutta
1 bg, MacLac Co, Calcutta

SEEDLAC—300 bgs, Ralli Bros, Calcutta
200 bgs, Cornelis & Suhr, Calcutta
300 bgs, MacLac Co, Calcutta
200 bgs, MacLac Co, Calcutta
50 bgs, Mantrose Corp, Calcutta
200 bgs, MacLac Co, Calcutta

SOAP BARK—379 bgs, W R Grace & Co, San Antonio

POWDERED—4 cs, Valparaiso

SODA BICHROMATE—227 kgs, Vera Cruz

SPONGES—17 bls, Mantas Bros, Havana
15 bls, Gulf West Indies Co, Havana
14 bls, Havana
REFUSE—138 bls, A W Fenton & Co, Havana

TALC—2,008 bgs, Heyman Co, Bombay
1,000 bgs, Tokyo
6,720 bgs, Whittaker, Clark & Daniels, Yangkow
336 bgs, Fred Henies, Jr, Yangkow

TALLOW—200 bgs, Bank of London South America, Buenos Aires

TANKAGE—1,102 bgs, Buenos Aires

TAPIOCA FLAKE—136 bgs, Stein, Hall & Co, Sourabaya
470 bgs, Stein, Hall & Co, Sourabaya
513 bgs, Stein, Hall & Co, Sourabaya

FLOUR—559 bgs, Stein, Hall & Co, Sourabaya
500 bgs, American Cyanamid & Chem Co, Tjilatjap
483 bgs, Sourabaya
250 bgs, American Cyanamid & Chem Co, Batavia
1,019 bgs, American Cyanamid & Chem Co, Batavia
250 bgs, Batavia
1,750 bgs, Batavia
250 bgs, Batavia
250 bgs, Tjilatjap
250 bgs, American Cyanamid & Chem Co, Tjilatjap
250 bgs, Tjilatjap
750 bgs, American Cyanamid & Chem Co, Tjilatjap
750 bgs, Batavia
500 bgs, Batavia
3,755 bgs, Corn Product Refg Co, Puerto Plata
400 bgs, Corn Product Refg Co, Puerto Plata
2,000 bgs, Corn Product Refg Co, Puerto Plata

SEED—82 bgs, Stein, Hall & Co, Sourabaya
60 bgs, Stein, Hall & Co, Sourabaya

TARA POWD—242 bgs, Tannin Corp, Salaverry
217 bgs, Colony Import & Export Co, Salaverry
272 bgs, Tannin Corp, Salaverry

TARTAR—586 bgs, Bunge North American Grain Co, Buenos Aires
547 bgs, Bunge North American Grain Co, Buenos Aires
634 bgs, Bunge North American Grain Co, Buenos Aires

TIN ORE RESIDUE—1,202 bgs, Tampico

TIN AND WOLFRAM ORE—507 bgs, W R Grace & Co, Mollendo
506 bgs, W R Grace & Co, Mollendo

TUBA ROOT—70 bls, Dodwell & Co, Singapore
68 bls, Dodwell & Co, Singapore
127 bls, Mitsui & Co, Singapore

TUNGSTEN CONC—381 bgs, Irving Trust Co, Buenos Aires
249 bgs, Philipp Bros, Capetown

TURMERIC—28 bgs, M E Schren Co, Port au Prince

TUCUM KERNELS — 1,538 bgs, 100 tons, General Food Corp, Brazil

VANADIUM ORE — 2,527 bgs, Vanadium Corp of America, Callao

VANILLA BEANS—10 cs, Vera Cruz
45 cs, F Huber & Co, Vera Cruz
20 cs, Thurston & Braidich, Vera Cruz

WATTLEBARK—115 bgs, J Pasavant, Mombasa

WAX, BEES—14 bgs, Trujillo
51 bgs, Irving Trust Co, Havana
23 bgs, Havana

WAX, BEES—20 bgs, Distributing & Trading Co, Buenos Aires
10 bgs, Pan American Export and Import Agency, Havana
4 bgs, Havana
30 bgs, Irving Trust Co, Trujillo
9 bgs, Schutte & Focke, Sanchez
9 seroons, Porcella Vicini & Co, Puerto Plata
25 seroons, Porcella Vicini & Co, Puerto Plata
CARNAUBA—375 bgs, W M Allison & Co, Bahia
OURICURY—255 bgs, Innis, Speiden & Co, Bahia
WOLFRAM ORE—100 bgs, Wah Chang Trading Corp, Singapore
104 bgs, Wah Chang Trading Corp, Singapore
YEAST—1 pkg, Standard Brands, Havana

New York Transit Imports

CASTOR BEANS—1,700 bgs, Berkshire Chem Co, Bahia, Bridgeport
COCA LEAVES—110 bls, Maywood Chemical Works, Salaverry, Maywood
COCOA BEANS—900 bgs, W Nelson, Takoradi, Toronto
1,592 bgs, H Lawton & Co, Lagos, Toronto
3,200 bgs, Rountree Co, Takoradi, Toronto
7,000 bgs, H Lawton & Co, Takoradi, Toronto
2,399 bgs, H Lawton & Co, Takoradi, Toronto
800 bgs, M Lowneyra Mawney & Co, Takoradi, Montreal
4,000 bgs, W Neilson, Takoradi, Toronto
400 bgs, Willard Chocolate, Ltd, Takoradi, Toronto
2,000 bgs, W Neilson, Ltd, Takoradi, Toronto
DAMIANA—20 bls, Parke, Davis & Co, Tampico, Detroit
DILLSEED—147 bgs, Sokol & Co, Bombay, Chicago
GRAPHITE—552 bgs, Wyodack Chem Co, Colombo, Cleveland
PAPAIN—113 cs, American Ferment Co, Colombo, Buffalo
202 cs, American Ferment Co, Colombo, Buffalo
QUEBRACHO EXTRACT—2,198 bgs, Tannin Corp, Buenos Aires, Acton
1,000 bgs, Tannin Corp, Buenos Aires, Omemee, Ont
400 bgs, Tannin Corp, Buenos Aires, Cobourg, Ont
SHELLAC—100 bgs, E E Androvette, Calcutta, Halifax
TEAWASTE — 777 bgs, Maywood Chem Works, Calcutta, Maywood
3,000 bgs, Citro Chem Co, Calcutta, Maywood
2,000 bgs, Citro Chem Co, Calcutta, Maywood
VANILLA BEANS—20 cs, M Cortizas Co, Vera Cruz, Philadelphia
84 cs, M Cortizas Co, Vera Cruz, Philadelphia

Baltimore Imports

BONES—1,063 bgs, Buenos Aires
CALCIUM ARSENATE—2 dms, Santos
CHROME ORE—6,000 tons, Beira
COCONUT, DESIC—25 cs, Manila
COTTONSEED MEAL—4,440 bgs, Santos
IRON ORE—21,300 tons, Bethlehem Steel Co, Cruz Grande
MANGANESE ORE—7,612 tons, Durban
3,780 tons, Malbato
1,350 tons, Busuanga
2,000 tons, Rio Janeiro
2,060 tons, Rio Janeiro
1,954 tons, Iloilo
MOLASSES—562,856 gal, Cuba Distilling Co, Macoris
807,127 gal, Cuba Distilling Co, Guanica
PETROLEUM CRUDE—79,147 bbls, Standard Oil Co, N J, Guiria

Boston Imports

CLOVES—100 bls, Greene Trading Co, Zanzibar
50 bls, Geo Uhe Co, Zanzibar
COCOA BEANS—10,000 bbls, Guayaquil
OIL, CITRONELLA—21 dms, Catz American Co, Batavia
QUEBRACHO ETRACT—6,067 bgs, American Tanners, Ltd, Buenos Aires
4,044 bgs, American Tanners, Ltd, Buenos Aires
TALC—800 bgs, Whittaker, Clark & Daniels, Dairen
TAPIOCA FLAKE—143 bgs, Stein, Hall & Co, Sourabaya
FLOUR—552 bgs, Arnold Hoffman Co, Passeorean
550 bgs, Stein, Hall & Co, Sourabaya
550 bgs, American Cyanamid & Chem Co, Batavia

Charleston Imports

TAPIOCA FLOUR—250 bgs, Irving Trust Co, Batavia
113 bgs, Batavia

Houston Imports

COTTON LINTERS — 998 bgs, Anderson, Clayton & Co, Buenos Aires
COTTONSEED SOAPSTOCK—123 bbls, West Texas Cottonoil Co, Buenos Aires
122 bbls, West Texas Cottonoil Co, Buenos Aires

Los Angeles Imports

AMMONIA PHOSPHATE—3,200 bgs, 286,000 lbs, Trail
CHAMOIS—40 lbs, London
40 lbs, Australia
CHILLIES—345 bgs, 52,030 lbs, EnsenaJa
CHINA CLAY—153,500 lbs, Plymouth
CINNAMON—50 bls, 3,330 lbs, Hongkong
CLAY—2,550 bgs, 510,000 lbs, Cornwall
COCONUT, DESIC—1,321 pkgs, 165,000 lbs, Zamboanga
3,151 pkgs, 379,370 lbs, Manila
COPRA MEAL—11,000 bgs, 1,100,000 lbs, Manila
1,500 bgs, 150,000 lbs, Ceba

FISH LIVER—94 tins, 3,760 lbs, Yokohama
387 tins, 15,480 lbs, Kobe
524 tins, 20,960 lbs, Japan
GUM, COPAL—65 bkts, 10,000 lbs, Macassar
DAMMAR—402 sx, 66,200 lbs, Macassar
MUSTARD SEED—150 bgs, 30,000 lbs, Tientsin
OIL, EUCALYPTUS—2,350 lbs, Sydney
PEPPER, WHITE—5,600 lbs, London
RICE FLOUR—11 cs, 410 lbs, Kobe
SEAWEED DRIED—5 cs, 250 lbs, Kobe
40 lbs, Yokohama
TOILET PREPS—80 lbs, Kobe
170 lbs, Yokohama

New Orleans Imports

COCOA BEANS—137 tons, Bocas del Toro
COCONUTS—10 tons, Belize
GUM, CHICLE—21 tons, Puerto Barrios
24 tons, Belize
228 tons, Cozumel

Norfolk Imports

MANGANESE ORE—558 tons, Philadelphia National Bank, Batavia
TAPIOCA FLOUR—Bank of New York Trust Co, Batavia
246 bgs, Irving Trust Co, Batavia
1,550 bgs, Bank of New York Trust Co, Batavia
1,000 bgs, Bank of New York Trust Co, Batavia
500 bgs, Irving Trust Co, Batavia
1,090 bgs, Bank of New York Trust Co, Batavia

Philadelphia Imports

BONEMEAL—500 bgs, Buenos Aires
CASSIA—500 bls, Brown Brothers & Harriman, Hongkong
CHROME ORE—2,000 tons, Beira
COCONUT, DESIC—577 cs, Manila
CORK, VIRGIN—10,500 bls, Armstrong Cork Co, Lisbon
WASTE—24,339 bls, Armstrong Cork Co, Lisbon
3,583 bls, Armstrong Cork Co, Lisbon
WOOD—331 bls, Armstrong Cork Co, Lisbon
COTTONSEED MEAL—4,480 bgs, National City Bank of New York, Santos
4,400 bgs, West Texas Cottonoil Co, Santos
GLYCERIN—152 dms, Guaranty Trust Company of New York, Montevideo
MAG 'ESITE ORE—1,000 tons, Darien
MANGANESE ORE—2,232 bgs, Phila National Bank, Manila
558,000 kilos, Phila National Bank, Batavia
MOLASSES—1,345,213 gls, Publicker Alcohol Corp, Sagua, Preston & Antilla
OIL, COCONUT, CRUDE—550 tons, Manila
PETROLEUM, CRUDE—94,767 bbls, Puerto la Cruz, Gulf Oil Corp
85,000 bbls, Sun Oil Co, Puerto la Cruz
70,000 bbls, Socony Vacuum Trans Co, Cartagena
QUEBRACHO EXTRACT—1,066 bgs, The Tannin Corp, Buenos Aires
2,128 bgs, The Tannin Corp, Buenos Aires
700 bgs, International Products Corp, Buenos Aires
ZIRCONIUM ORE—1,420 bgs, Philadelphia National Bank, Santos

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetics act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Week Ended March 19

Cassia oil, 10 drums; not U.S.P.
Coriander seed, 400 bags; filthy.
Cornmint oil, 75 cases; restricted use.
Fennel seed, 36 bags; dirty.
Medicinal preparations, 2 cases; new drug.
Medicinal preparations, 1 parcel; not properly labeled.
Nutmegs, 5 bags; moldy.
Nutmegs, 1,158 bags; restricted use.
Sassafras oil, 7 packages; not U.S.P.
Sesame seed, 122 bags; filthy.

Baltimore

Week Ended March 19

Fertilizer mixture, 2,200 bags; restricted use.

Denver

Week Ended March 6

Hair dye, 1 piece; contains dangerous dye.
Medicinal, 1 piece; false threrapeutic claims.

Los Angeles

Week Ended March 6

Medicinal, 300 pieces; false therapeutic claims.

Philadelphia

Week Ended March 19

Mustard seed, 286 bags; filthy.

Seattle

Week Ended March 6

Medicinals, 85 pieces; false therapeutic claims.

SOYBEAN MEAL—1,500 tons, Petsamo
SUPERPHOSPHATE—80,027 lbs, Mombasa

Los Angeles Exports

ACETONE—1,000 lbs, Buenaventura
ACID, BORIC—169 bgs, 18,930 lbs, Sydney
NITRIC—150 lbs, Amapala
STEARIC—550 lbs, Vancouver
AMMONIA—80 lbs, Amapala
ASPHALT—1 dm, 450 lbs, Melbourne
BLACK, CARBON—299 cs, 89,700 lbs, Auckland
BONE ASH—300 lbs, Amapala
BORAX—1,800 bgs, 201,600 lbs, Calcutta; 500 lbs Buenaventura; 3,000 bgs, 330,690 lbs, Shanghai; 180 bgs, 20,160 lbs Melbourne; 60 bgs, 6,720 lbs, Melbourne; 772 bgs, 96,880 lbs, Sydney
CALCIUM, CARBIDE—500 lbs, Amapala
CEMENT, PLASTIC—640 sx, 15,040 lbs, Vancouver Chemical Specialties—200 lbs, Melbourne; 670 lbs, Melbourne
CLAY, DECOLORIZING—144 bgs, 14,000 lbs, Melbourne
FILTER—415 sx, 18,750 lbs, Vancouver; 253 sx, 12,000 lbs, Auckland; 1,344 sx, 60,000 lbs, Sydney
COLOR DRY—6,750 lbs, Wellington
DIATOMACEOUS EARTH—540 bgs, 54,750 lbs, Vancouver; 500 bgs, 50,000 lbs, San Juan: 40 bgs, 4,000 lbs, Auckland
GASOLINE—74,002 bbls, China; 11,065 bbls, Yokkaishi; 150 dms, Tegucigalpa; 10,924 bbls, Kawasaki
GREASE, CUP—80 lbs, Amapala
LUBRICATING—654 pkgs, 328,800 lbs, Tientsin
KEROSENE—74,481 bbls, Curacao
LACQUER—4,460 lbs, Calcutta; 1,810 lbs, Madras; 5,490 lbs, Panama City; 6,500 lbs, Manila; 400 lbs, Wellington
THINNER—8,900 lbs, Calcutta; 5,280 lbs, Madras; 400 lbs, Panama City; 24,000 lbs, Manila
LARD, REFD—112,510 lbs, Yokahama
SUBSTITUTE—20,000 lbs, Panama
MINERAL SPTS—90 dms, 32,090 lbs, Balboa
NAPHTHA—3 dms, Vancouver; 225 dms, Vancouver
OIL, CITRONEL—28 cs, 700 lbs, Sydney
DIESEL—51,624 bbls, Takao; 7,135 bbls, Keelung; 45,126 bbls, Valparaiso; 8,498 bbls, Valparaiso; 6,093 bbls, Japan
FISH—850 lbs, Auckland
FUEL—88,869 bbls, Chanaral; 52,263 bbls, Valparaiso; 11,937 bbls, Vancouver; 96,-998 bbls, Tocopilla; 7,903 bbls, Vancouver; 65,508 bbls, San Jose de Guatemala; 24,105 bbls, Santa Rosalia
GRAPEFRUIT—30 lbs, Auckland
LEMON—250 lbs, Melbourne; 3 cs, 150 lbs, Sydney; 100 lbs, Wellington
LINSEED—7 dms, 2,850 lbs, Vancouver
LUBRICATING—50 bbls, Shanghai; 83 pkgs, Tientsin; 50 dms, Melbourne; 10 dms, Rio Fiedras; 80 dms, Sydney
ORANGE—1,100 lbs, Melbourne; 400 lbs, Wellington
PAINT—400 lbs, Wellington
PALM, HYDROG—78 bgs, 12,480 lbs, Guatemala City
SALAD—32,000 lbs, Vancouver
TANGERINE—280 lbs, Melbourne
OXIDIZING AGENT—11,060 lbs, Guayaquil
PAINT—180 lbs, Panama City
ENAMEL—8,490 lbs, Manila
PREPARED—200 lbs, Callao
PARIS GREEN—500 lbs, Buenaventura
PEPPER—10 bgs, 1,500 lbs, San Jose: 8 bgs, 1,200 lbs, Champerico
PETROLEUM COKE—8,249,920 lbs, Yokahama
CRUDE—72,403 bbls, Yokahama: 70,255 bbls, Iloc: 74,260 bbls, Kawasaki
GAS, LIQ—21,430 lbs, Auckland
POLISH—90 lbs, San Jose de Guatemala; 100 lbs, Panama City
RESIN, SYNTH—920 lbs, Wellington
SYNTHETIC SOLUT—1,320 lbs, Melbourne
SOAP, LAUNDRY—1,540 lbs, Tutuila
SODA ASH—830 lbs, Amapala
BICARBONATE—30 lbs, Amapala; 4,000 lbs, Buenaventura
BISULPHATE—4,000 lbs, Vancouver
SOLDER FLUX—7,600 lbs, Melbourne
SULPHAPYRIDIN TABLETS — 1,420 lbs, Melbourne
SULPHUR DIOXIDE—1 cyl, 150 lbs, Manila
TOILET PREPS—3,140 lbs, Bogota
WOOD FILLER—70 lbs, Panama City

New Orleans Exports

ALUMINUM POWDER—10 tons, Cristobal
ASPHALT, SOLID—38 tons, Havana
CLAY, BLEACHING—36 tons, West Coast South America
FIRE CLAY—14 tons, Cristobal
GLASS, RLD—17 tons, Cristobal
LARD—92 tons, Havana; 13 tons, Puerto Limon; 10 tons, Cristobal
LIME, HYDRATED—15 tons, Cristobal
OIL, DIESEL—72 tons, Puerto Cabezas; 102 tons, Ceiba
FUEL—273 tons, Ceiba
ROSIN—24 tons, Havana; 51 tons, Cristobal; 17 tons, Barranquilla; 58 tons, Cartagena; 54 tons, West Coast South America
SALT—7 tons, Puerto Cabezas
SODA CYANIDE—28 tons, Puerto Cabezas

Foreign Trade Rules

Information recently published by the Department of Commerce in foreign tariff and related trade regulations include the following:—

Monopolies:—The Panama Government has authority to establish monopolies under the new constitution.

Oilcake:—Exports from Rumania of oilcake and oilcake meal has been prohibited.

Pyrethrum: — Belgian Congo and Ruanda - Urundi have established standards of quality and of packing for pyrethrum exports. A tax of 0.50 franc per kilogram has been fixed to cover the costs of the export inspection service. A Pyrethrum Bureau has been created to conduct commercial and industrial activity, to encourage production, and to control the quality and packing of exports of pyrethrum owers.

Quinine:—Colombia requiries prior permits, issued by the Ministry of Labor, Hygiene, and Social Welfare, for the importation of quinine and salts. Re-exportation of quinine and salts are prohibited.

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—10,845 bbls, San Diego; 58,067 bbls, Seattle; 51,025 bbls, Seattle; 37,449; bbls, Richmond; 48,000 bbls, Portland; 6,479 bbls, San Diego; 62,104 bbls, San Francisco; 33,429 bbls, San Francisco, 14,358 bbls, San Diego
OIL, DIESEL—14,144 bbls, Seattle; 6,690 bbls, Seattle; 33,000 bbls, Portland; 20,247 bbls, San Francisco; 5,948 bbls, Portland; 48,544 bbls, San Francisco; 2,200 bbls, San Diego
FUEL—55,119 bbls, Astoria; 67,945 bbls, El Segundo; 68,149 bbls, Oleum; 66,462 bbls, Portland; 35,656 bbls, Oleum; 63,811 bbls, Avon; 2,430 bbls, Portland; 72,004 bbls, Richmond; 58,416 bbls, Portland; 18,020 bbls, San Diego
FURNACE—1,267 bbls, Portland; 7,309 bbls, San Francisco; 2,190 bbls, San Diego
PETROLEUM, CRUDE—37,714 bbls, Oleum

Foreign Trade Openings

Correspondence in regard to any of the following trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, D. C., or to any district office or cooperative office of the bureau, and not to this publication. When writing give the number of the item:—

Adrenalin solution:—Caire, Egypt; purchase (603).

Chamomile and tilleul flowers:—Cairo, Egypt; purchase (603).

Drums, steel:—Athens, Greese; purchase (600).

Senega root:—Cairo, Egypt; purchase (604).

Sulphonamide:—Cairo, Egypt; purchase (603).

Vitamin B:—Cairo, Egypt; purchase (603).

Wax, match: — Vin-Benthuy, French Indo-China; purchase (604).

Protective Drum Linings Discussed in Brochure

A new brochure, "The Facts About Protective Drum Linings for Steel Containers," has been published by Ault & Wiborg Corporation. The book contains a comprehensive study of the various types of lacquer linings used to protect packaged materials from contamination or deterioration through contact with the steel containers in which they are shipped. Copies of the brochure may be obtained by writing the company at 75 Varick street, New York, mentioning the REPORTER.

Paint Trucking Cuts Deferred

Proposed reductions in motor truck rates on paint, paint materials, calcimine, roofing, and shingles from origins in New York and New Jersey to New York points have been suspended until September 16 by the Interstate Commerce Commission. As an example, a reduction of 5 cents was asked in the present rate of 37 cents per 100 pounds on dry paint in cans, cartons, or bags from New Brighton, Staten Island, to Albany.

REPACKING
• Pharmaceuticals
• Industrials
To your specifications
MAXIM CHEMICAL CO.
INCORPORATED
15 Park Row, New York City

Exports from U.S. Ports

Baltimore Exports

AMMONIA ALUM—2 bbls, Trinidad; 1 bbl, Kingston
ASPHALT—10,696 lbs, Trinidad; 5,348 lbs, Kingston
PRIMER—450 lbs, Kingston
BITUMINOUS ENAMEL—11,400 lbs, Kingston
PRIMER—190 lbs, Trinidad
CHLORINE—1,800 lbs, Trinidad; 900 lbs, Kingston
EPSOM SALT—6,700 lbs, Port Elizabeth
PUTTY—3,148 lbs, Trinidad; 1,574 lbs, Kingston

CUSTOM SERVICE
GRINDING ROASTING
MAGNETIC SEPARATION CHEMICAL PROCESSING
FOOTE M NERAL COMPANY, 1625 Summer St., Philadelphia, Pa.

Fats, Oils Consumption By Industries in 1940

Factory consumption of primary animal and vegetable fats and oils in the United States totaled 4,737,858,000 pounds during the calendar year 1940, compared with 4,802,989,000 pounds in 1939, according to statistics compiled from quarterly reports from processers transmitted to the Bureau of Census. Since data for oleostock were not collected, the secondary products, edible animal stearin and oleo oil are shown.

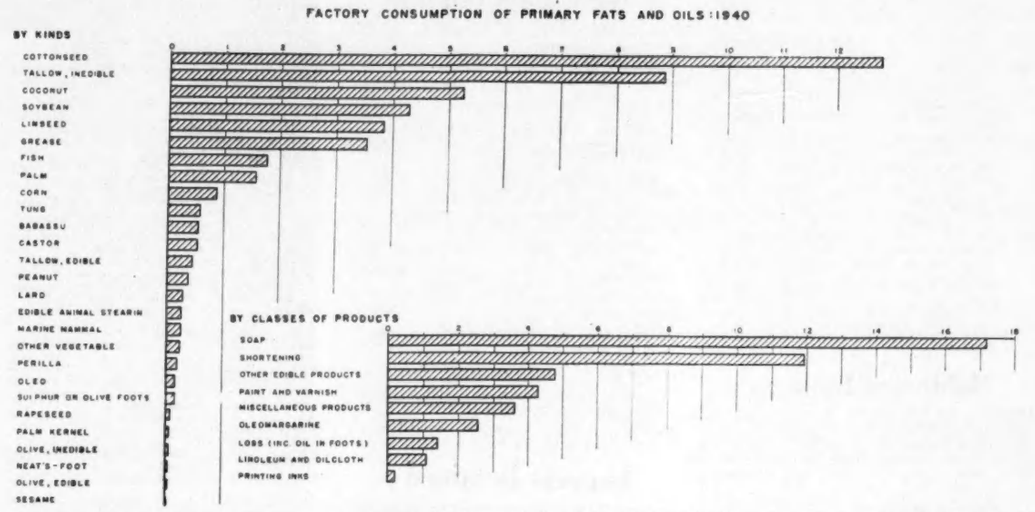
The total consumption in all industries for each item is shown except for those vegetable oils for which the crude and refined products are indicated in the questionnaire, such as cottonseed, peanut, coconut, corn, soybean, palm-kernel, palm, and babassu oils. For each of these a net consumption was arrived at by deducting from the total of both crude and refined consumed the quantity of refined produced.

Oils subjected to the process of hydrogenation or other treatment for special uses were reported as consumed in the products for which intended. For example: Oils treated for soap manufacture were entered in the column headed "soap" and oils intended for edible purposes were entered in one or more of the columns covering edible products. The ultimate uses of the primary oils are designated in this way.

Factory Consumption of Primary Animal and Vegetable Fats and Oils, by Classes of Products, 1940

Kind.	Total.	Shortening.	Oleomargarine.	Other edible products.	Soap.	Paint and varnish.	Linoleum and oilcloth.	Printing inks.	Miscellaneous products.	Loss (including oil in foots.)
	Pounds									
Cottonseed oil	1,279,960,000	823,359,000	115,947,000	263,323,000	2,971,000	65,000	.....	152,000	2,793,000	71,350,000
Peanut oil	39,530,000	22,516,000	1,728,000	9,743,000	387,000	.....	.....	.....	1,334,000	3,822,000
Coconut oil	528,203,000	17,576,000	21,783,000	54,857,000	396,857,000	1,261,000	.....	2,000	4,531,000	31,504,000
Corn oil	88,390,000	746,000	419,000	70,856,000	3,638,000	174,000	.....	.....	2,110,000	10,347,000
Soybean oil	431,641,000	212,317,000	87,106,000	39,980,000	17,612,000	29,828,000	7,254,000	82,000	16,538,000	20,924,000
Olive oil, edible	4,809,000	.....	.....	4,570,000	130,000	.....	.....	.....	109,000	.....
Olive oil, inedible	6,125,000	.....	.....	.....	1,637,000	7,000	.....	.....	4,481,000	.....
Sulphur oil or olive foots	15,884,000	.....	.....	.....	14,948,000	.....	.....	.....	936,000	.....
Palm-kernel oil	6,778,000	1,146,000	.....	4,772,000	197,000	.....	.....	.....	24,000	634,000
Palm oil	157,213,000	33,224,000	4,000	3,081,000	84,934,000	2,000	.....	2,000	*32,302,000	3,664,000
Babassu oil	55,481,000	381,000	6,148,000	5,759,000	41,221,000	.....	.....	.....	8,000	1,964,000
Sesame oil	1,343,000	24,000	.....	1,133,000	38,000	.....	.....	.....	34,000	114,000
Rapeseed oil	8,788,000	.....	.....	.....	49,000	88,000	.....	.....	8,651,000	.....
Linseed oil	386,225,000	.....	.....	.....	1,489,000	270,239,000	84,262,000	17,108,000	13,013,000	114,000
Tung oil	59,057,000	.....	.....	.....	.....	54,611,000	2,064,000	1,728,000	654,000	.....
Perilla oil	18,645,000	.....	.....	.....	.....	14,659,000	2,387,000	1,108,000	491,000	.....
Castor oil	54,046,000	.....	.....	.....	1,225,000	24,368,000	137,000	352,000	27,950,000	14,000
Other vegetable oils	23,369,000	32,000	.....	5,020,000	2,051,000	8,336,000	706,000	20,000	6,756,000	448,000
Lard	29,519,000	16,786,000	5,098,000	6,587,000	645,000	.....	.....	9,000	135,000	259,000
Edible animal stearin	27,073,000	16,940,000	3,387,000	5,926,000	549,000	.....	.....	6,000	231,000	34,000
Oleo oil	15,886,000	880,000	14,333,000	62,000	127,000	.....	.....	.....	453,000	31,000
Tallow, edible	46,750,000	39,595,000	.....	4,777,000	657,000	.....	.....	1,000	1,611,000	109,000
Tallow, inedible	884,685,000	.....	.....	.....	786,456,000	141,000	2,000	12,000	97,441,000	633,000
Grease	356,513,000	.....	.....	.....	256,886,000	94,000	.....	410,000	98,370,000	753,000
Neat's-foot oil	5,530,000	.....	.....	.....	19,000	28,000	.....	.....	5,498,000	5,000
Marine mammal oils	26,885,000	.....	.....	.....	19,250,000	48,000	.....	7,000	7,580,000	.....
Fish oils	179,515,000	10,902,000	.....	.....	88,061,000	30,787,000	15,001,000	179,000	33,636,000	349,000
Totals	4,737,858,000	1,196,424,000	255,953,000	480,378,000	1,722,634,000	434,736,000	111,813,000	21,178,000	367,670,000	147,072,000

* Includes 31,075,000 pounds reported by the tin and terne plate industry.



Rheem Co. Elects Keplinger Vice-President

Rheem Manufacturing Company has elected Livingston B. Keplinger vice-president and director. Mr. Keplinger will continue his post as assistant to the president, R. S. Rheem, with headquarters in the New York executive offices. Clifford V. Coons, formerly manager of the Houston, Tex., plant, has been appointed sales manager of its container division, which will also be located in New York.

Mr. Keplinger in 1927 resigned as executive vice-president of Peters Cartridge Company to join Dillon, Read & Co., investment bankers, this city. In 1930, he left to engage in private industrial consulting work on the Pacific coast, during which time he was president of General Metals Corporation. In January, 1940, Mr. Keplinger joined the Rheem organization in New York.

Rheem Manufacturing Company, one of the nation's largest fabricators of steel shipping containers, automatic water heaters, boilers and tanks, has executive offices in New York City and Richmond, California, and plants in Richmond, Los Angeles, and Stockton, California; Chicago, Ill.; Newark, N. J.; Baltimore, Md.; Houston, Tex., and New Orleans, La. The present Chicago plant is being turned over entirely to the manufacture of ordnance material, the company being one of the ten largest suppliers of army ordnance material in the Chicago district. A new plant is under construction in Chicago to take over commercial work.

Asphalt Production Increased By Wishnick-Tumpeer, Inc.

Wishnick-Tumpeer, Inc., has expanded its asphalt production facilities at Chicago and Lawrenceville plants. The production potential of the new Chicago plant has recently been doubled with the installation of additional still capacity. Storage capacity has been tripled and a second drum-filling unit has increased facilities by 50 percent. At Lawrenceville, Ill., additional still capacity will increase its output of asphalt products about 70 percent. New tankage will double its capacity for storage.

OPM Joined by Cunningham

Howard B. Cunningham, of New York, has been appointed assistant director in charge of subsistence and supplies of the division of purchases of the Office of Production Management. Mr. Cunningham will head the section advising the Army Quartermaster General's office on the procurement of foodstuffs for the army. For the past several years he was affilaited with the National Biscuit Company, previously was in the milling business in Minneapolis and Kansas City.

U.S.P. Board to Gather Blood Substitutes Data

An advisory board on blood and blood substitutes has been established by the Committee on Revision of the United States Pharmacopeia to coordinate the studies of whole blood, normal human plasma, and normal human serum now in progress by various medical groups. The items named have been proposed by the subcommittee on scope for admission to the new Pharmacopeia. It is reported that tentative monographs will be prepared, following which a public conference will be called to determine official standards. Members of the advisory board are:—

Dr. Perrin H. Long, of Johns Hopkins University Medical School, chairman; Dr. Edwin J. Cohn, of Harvard Medical School; Dr. Sidney O. Levinson, of the Michael Reese Hospital, Chicago; Dr. C. P. Rhoads, of the Memorial Hospital, New York; and Dr. Max M. Strumia, of the Byrn Mawr Hospital, Byrn Mawr, Pa.

DuPont Co. Completes Unique Color Selector

A new type of "color selector," designed to eliminate guesswork in choosing appropriate shades for home decoration, was introduced by paint experts of E. I. du Pont de Nemours & Co., Wilmington, at a luncheon-meeting at the Waldorf-Astoria March 18. It will be made available to painting and decorating contractors, who then may offer clients a complete picture of how rooms and houses will appear in each of hundreds of colors.

The new selector also contains many transparent pictures — natural color photographs which show completely furnished rooms, with the wall areas transparent. When superimposed over a color sheet, the room is visualized as painted in that color. Other transparent pictures portray various houses arranged to show the body painted in a selected color and shutters done in a trim color.

The effect of color on size, contrast with surroundings, roof colors, and methods of painting dormers and gables is demonstrated, and colors to enlarge or diminish their appearance noted. Suggestions also are given on color and tint correlations. Notations on each sheet identify the color and suggest blending shades. The colors are classified into groups for simplicity. Specifications of colors may be done by number to avoid possible error.

"Clean pastel colors" which will bedeck the modernistic cities of tomorrow are now being prepared and tested in scientific laboratories, Dr. Clifford F. Rassweiler, Du Pont company paint expert, reported at the meeting.

Anticipation of future design requirements is directing research toward wider ranges of color than are now available, Dr. Rassweiler said. He cited recent advances in the development of colorful finishes which, he said, have been revolutionized within the past two decades by chemical contributions.

Chemists Inst. to Hear Fatty Acids Discussion

The derivation of fatty acids from fats and oils, and their subsequent use as reactants in a wide variety of chemical syntheses will be described by Dr. A. W. Ralston, of Armour & Co., before the meeting of the New York chapter of the American Institute of Chemists to be held in the Chemists' Club, this city, April 4.

He will discuss the occurence of these materials, their physical and chemical properties, and the means employed for the preparation of mixtures of acids, and of commercially pure products. The increasing importance of these fatty acids also will be shown by representative compounds which can be prepared from the fully saturated and from the highly unsaturated acids.

National Gypsum Company, Buffalo, has acquired General Insulating & Manufacturing Company, makers of rock-wool products. Plants at Alexandria, Ind.; Dover, N. J., and Dubuque, Iowa, are included in the sale.

Corporation Earnings Recently Reported

Company.	Period.	1940 Net income.	1940 Per share.	1939 Net income.	1939 Per share.
Allid Chemical & Dye	12 Mos.	$20,885,270	$9.43	$21,042,211	$9.50
American Safety Razor	12 Mos.	383,443	.73	806,238	1.54
Beech-Nut Packing Co	12 Mos.	2,889,939	6.61	2,472,658	5.65
Borden Co	12 Mos.	7,582,617	1.72	7,979,837	1.81
Carrier Corp	12 Mos.	526,628	1.34	18,788	.05
Celotex Corp	3 Mos.	456,865	.66	194,865	.37
Hygrade Sylvania	12 Mos.	880,625	3.59	856,807	3.52
Link Belt Co	12 Mos.	2,514,381	3.37	1,733,059	2.23
Newport Industries, Inc	12 Mos.	311,230	.50	409,311	.66
Pacific Western Oil	12 Mos.	212,986	.21	813,689	.81
Peoples Drug Stores	12 Mos.	1,069,106	2.18	1,020,071	2.00
Phelps Dodge Corp	12 Mos.	12,603,980	2.49	12,278,601	2.42
Phillips Petroleum Co	12 Mos.	11,590,318	2.61	9,833,314	2.21
Pittsburgh Plate Glass	12 Mos.	13,793,937	6.30	10,766,412	4.96
Plough, Inc	12 Mos.	264,920	.88	253,694	.85
Pratt & Lambert	12 Mos.	444,925	2.29	538,175	2.78
Skelly Oil Co	12 Mos.	3,316,678	3.28	2,360,783	1.99
Standard Oil Co. of Ohio	12 Mos.	6,209,008	7.44	5,602,499	6.64
Texas Gulf Sulphur	12 Mos.	9,140,887	2.38	7,847,482	2.04
Union Tank Car	12 Mos.	2,446,316	2.22	2,410,666	2.07
Vulcan Detinning Co	12 Mos.	504,592	12.74	451,695	11.10
Westvaco Chlorine Products	12 Mos.	1,316,401	2.96	1,275,079	2.91
Wrigley (Wm.), Jr., Co	12 Mos.	8,226,648	4.19	8,650,976	4.33

Industrial Uses of Chemicals and Related Materials

(Formerly Styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

Fully protected by copyright

Seven-hundred-forty-first Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Beta-beta'-dichlorovinyl-chloroarsin

Military

As a military poison gas (vesicant)

Bis-(2-ethylbenzoselenazole-1)-nonamethincyanin Iodide

Photographic

Claimed (Brit. 485623 and 503337) as—
Valuable light filter
Sensitizer (Brit. 485623 and 503337) in—
Photographic emulsions to light of wavelength greater than 10,000

Bismuth Ricinoleate-Quinate

Pharmaceutical

Claimed (Brit. 443860) as—
Assimilable organic bismuth salt

Cadmium

(Cadmio, Kadmium)

Automotive

Coating agent for—
Decorative parts
Diesel motor pistons
Hardware, door handles, emblems, and the like
Nuts, bolts, and screws

Aviation

Coating agent for—
Aircraft parts

Chemical

Base material in making—
Double salts such as—
Cadmium-ammonium bromide
Cadmium borotungstate
Cadmium-potassium cyanide
Cadmium-potassium iodide
Single cadium salts such as the—

Acetate	Isovalerate
Bromide	Nitrate
Carbonate	Oxalate
Chlorate	Oxide
Chloride	Phosphate
Cyanide	Salicylate
Hydroxide (hydrate)	Selenide
Iodate	Sulphate
Iodide	Sulphide
	Tungstate

Starting point in making—
Cadmium lithopone

Dental

Ingredient of—
Dental alloys

Electrical

Anodic metal in plating—
Busbar
Contacts
Electric hardware
Electric machinery and device parts
Radio parts
Wire and cable
Complete, or partial, substitute for—
Tin in solders
Electrode in—
Battery-testing devices
Element in—
Electrical measuring instruments
Lamp filaments
Vapor source in—
Cadmium vapor lamps

Jewelry

Ingredient of—
Jeweler's alloys
Solders

Marine

Coating agent for—
Marine hardware

Mechanical

Coating agent for—
Ball bearings (cheap)
Hand tools
Malleable fittings
Packaging machinery parts
Springs

Metal Fabricating

Ingredient of—
Special solders
Protectant for—
Dissimilar metals against galvanic corrosion (for example, in riveting)

Metallurgical

Base for—
Bearing alloys for—
Aircraft engines
Low-power or medium-power automobiles
Rolling mills
Other mechanical equipment
Bearing alloys such as—
Cadmium-nickel
Cadmium-silver
Cadmium-silver-copper
Bonding alloys such as—
Cadmium-nickel
Cadmium-nickel-zinc
Cadmium-zinc
Coating agent for—
Aluminum alloys
Copper alloys
Iron
Steel
Deoxidizing agent in—
Bronze melting
Electrical alloys
Nickeling baths
Electroplating metal of numerous uses
Ingredient of—
Alloys (copper-cadmium, aluminum-cadmium) useful for making cable and wire for trolley, telephone, and telegraph services
Alloys for fine castings
Alloys for special purposes, such as corrosion resistance
Low-meltingpoint alloys (fusible metals) useful for—
Fine-detail matrixes
Fuses
Safety devices in boilers
Safety devices in fire-extinglishing systems
Solders
Other purposes
Solders for aluminum
Special solders
Substitute for—
Tin in solders

Miscellaneous

Coating agent for—
Casket hardware
Clothes-wringer parts
Furniture parts
General hardware
Lavatory and bathroom fittings
Mop parts
Washing-machine parts
Wire screen
Ingredient of—
Special solders
Stereotype matrixes
Protectant for—
Dissimilar metals against galvanic corrosion (for example, in riveting)

Paint, Varnish, and Lacquer

Starting point in making—
Dry colors
Lithopones

Calcium-Manganese-Silicon

(Special alloys containing from 17 percent to 19 percent calcium, 8 percent to 10 percent manganese, 55 percent to 60 percent silicon, and 10 percent to 14 percent iron)

Metallurgical

Improver of—
Transverse strength of forged and rolled steel
Scavenger for—
Gases in steel
Nonmetallic impurities in steel
Oxides in steel
Silicon introducer in—
Steel manufacture

3-Chlor-10-para-(aminomethyl)anilinoacridin Dihydrochloride

Pharmaceutical

Claimed (Brit. 441007 and 441132 and addition to Brit. 363392) as—
New pharmaceutical

Diethyleneglycol Monoethylether Ricinoleate

(Carbitol Ricinoleate, Ricinoleic Acid Ester of Carbitol)

Adhesives

Plasticizer for—
Alcohol-soluble gums
Netrocellulose
Resins
Water-soluble gums

Cellulose Products

Plasticizer for—
Nitrocellulose

Chemical

Plasticizer for—
Gums
Nitrocellulose
Resins

Cosmetic

Plasticizer for—
Alcohol-soluble gums
Netrocellulose

Gum

Flexibilizer for—
Alcohol-soluble gums
Water-soluble gums
Plasticizer for—
Alcohol-soluble gums
Water-soluble gums
Softener for—
Alcohol-soluble gums
Water-soluble gums

Paint, Varnish, and Lacquer

Plasticizer for—
Alcohol-soluble gums
Nitrocellulose
Resins
Water-soluble gums

Plastics

Plasticizer for—
Nitrocellulose
Resins

Resins

Plasticizer for—
Resins

Dinaphthylpyridinium Phosphite

Lubricant

Starting point (Brit. 457548) in making—
High-pressure lubricants, diemaking lubricants and boring, drilling, cutting, and wire-drawing oils by solution, dispersion, or emulsification in carriers, such as mineral, vegetable, or animal oils, paraffin, water, graphite, grease, or porous bearing metal

Dipentamethylenethiuram Tetrasulphide

Rubber

Accelerator in—
Vulcanizing processes
Improver in vulcanizing—
Rubber Rubber-latex compounds

Diphenylbromoarsin

Military

As a military poison gas (irritant)

Formaldehydeparatoluidin

(Anhydro-Formaldehyde-Paratoluidine)

Rubber

Accelerator in—
Vulcanizing processes
Improver in vulcanizing—
Rubber
Rubber-latex compounds

Ferromanganese

(Ferromangan, Ferromanganesa, Manganeisen)

(A special alloy consisting principally of iron and manganese; available commercially in the following classifications, or grades:—Standard, low-carbon, medium-carbon, low-phosphorus; it differs from spiegeleisen in having a higher manganese content)

Metallurgical

Cleanser in—
Steel manufacture
Deoxidizer in—
Steel manufacture
Desulphurizer in—
Steel manufacture
Improver of—
Steel in—
Ductility
Forging properties
Grain-fineness
Rolling properties
Strength
Manganese introducer in—
Bessemer steel
Electric-furnace steel
Open-hearth steel
Remover of—
Hot-brittleness in steel manufacture
Scavenger in—
Steel manufacture

Spiegeleisen

(Fonte Miroitante, Spiegel)

(A special alloy of manganese and iron which differs from ferromanganese principally in having a lower manganese content; it may, perhaps, be more properly termed a high-manganese pigiron)

Metallurgical

Cleanser in—
Steel manufacture
Deoxidizer in—
Steel manufacture
Desulphurizer in—
Steel manufacture
Improver of—
Steel in—
Ductility
Forging properties
Grain-fineness
Rolling properties
Strength
Manganese introducer in—
Bessemer steel
Electrical-furnace steel
Open-hearth steel
Recarburizing agent in—
Steel manufacture
Remover of—
Hot-brittleness in steel manufacture
Scavenger in—
Steel manufacture

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Capital Offered

CHEMISTS, ATTENTION:—Will manufacture, finance and merchandise any new products; well established and reliable company seeking new materials. Many outlets. BOX 431, Oil, Paint and Drug Reporter.

Capital Wanted

CLINICALLY PROVED ethical preparations, some new for this country for which definite market ascertained, available for manufacture. Interested in becoming associated with well-established manufacturing organization or obtaining capital. BOX 436, Oil, Paint and Drug Reporter.

Containers Wanted

BOTTLES, CORKS, cans, caps, corrugated cartons, paper boxes, mailing boxes, perfume boxes, etc. We can make you a worthwhile offer for any packaging or shipping supplies. Aaron & Co., 36 Frelinghuysen avenue, Newark, N. J.

Equipment Offered

SPECIALS FROM stock: Shriver 30 in. steam jacketed filter press; A. T. & M. 10½ in. rubber lined centrifugal, motor driven; Day jumbo mixer, 680 gals.; three 8 and 40 gal. pony mixers; pebble and ball mills, laboratory to 1,000 gals.; three 8 in. laboratory stone mills; colloid mills; five 26 in. stone mills with iron mill feeds; Ross 4 ft. 8 in. putty chaser; filter presses, 12 in. to 36 in., cast iron and wood; dry powder mixers; vacuum pans; etc. Send for latest bulletins. Brill Equipment Corporation, 183 Varick street, New York City.

FOR SALE—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

Equipment Offered

FIND what you want right in New York City. Pony mixers, post mixers, Day sifter-mixers, portable mixers, revolvators, jacketed kettles, tanks, three-roller mills, dough mixers. Storms-Harvey Equipment Company, 123 Bleecker street, SPring 7-8955.

FOR SALE—Electric oven, four x four x seven; temperatures to 600 deg. Fahrenheit; perfect condition. BOX 433, Oil, Paint and Drug Reporter.

Equipment Wanted

WANTED—For chemical plant, filter press, jacketed kettle, vacuum dryer, powder mixers, pulverizer. No dealers. BOX 401, Oil, Paint and Drug Reporter.

PARTY could make use of idle pebble mill or steel rollers. BOX 437, Oil, Paint and Drug Reporter.

LARGE STONEWARE acid jars. State best price, delivery, condition, openings, general shape, etc. BOX 443, Oil, Paint and Drug Reporter.

Materials Offered

SAGE—We have a surplus of four barrels (760 pounds net weight) of dalmatian ground. Best offer takes it. BOX 435, Oil, Paint and Drug Reporter.

FOR SALE—1,000 pounds iron carbonyl; 50 tons residue containing approximately 3% cobalt, 10% nickel; 50 tons lignin; 50 pounds calcium levulinate; 10 pounds boron amorphous; 200 pounds Ferroboron; 100 pounds neodymium oxalate pure. BOX 445, Oil, Paint and Drug Reporter.

Materials Wanted

WILL PURCHASE your surplus and discontinued lots of chemicals, oils, waxes, dyes, intermediates, dry colors, greases, metals and other raw materials and by-products. Also entire plants. Consult inventory and plant superintendent. Barclay Chemical Co., Inc., 75 Varick street, New York. Telephone WAlker 5-4250.

HIGHER MARKETS—Sell now. Wanted—Surplus or off-grade waxes, chemicals, greases, oils, botanicals, solvents, aromatics, gums, metals. Also wastes, by-products, residues. Single lots. Entire plants. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0133.

Positions Vacant

TABLET COATER, thoroughly experienced; state full particulars. Salary compensation. BOX 421, Oil, Paint and Drug Reporter.

MANUFACTURER in southern California desires services of a chemist with research formulation and control experience in saponins, botanical extractions, pharmaceuticals and cellulose production. In application state references, experience and salary expected. BOX 414, Oil, Paint and Drug Reporter.

PAINT and varnish formulator wanted by small firm in Florida. Good opportunity for a man who is not afraid to work. Advise in letter experience and salary expected. Also opportunity for investment in business if interested. BOX 438, Oil, Paint and Drug Reporter.

ESTABLISHED FIRM marketing earth pigments, mineral fillers and chemical specialties has opening for experienced salesman with successful sales record in these lines in Eastern territory. Excellent opportunity for applicant who can qualify. BOX 440, Oil, Paint and Drug Reporter.

EXPERIENCED PRODUCTION man for manufacture of synthetic phenol wanted by well-established concern. New department. BOX 441, Oil, Paint and Drug Reporter.

JUNIOR CHEMIST wanted for lithoprinting ink factory to learn color matching, starting at bottom. Young college graduate preferred. Give complete details as to age, experience (if any), marital status, salary, etc. Location near-by New Jersey. BOX 442, Oil, Paint and Drug Reporter.

WANTED—Young Christian chemist, experienced paint and varnish formulator by small, successful North Jersey company. Furnish complete information regarding education, experience, and personal details first application. BOX 444, Oil, Paint and Drug Reporter.

CHEMICALS, DRUGS—Livewire for purchasing-quotations; with established contacts; full details; confidential; our staff advised. BOX 446, Oil, Paint and Drug Reporter.

Positions Wanted

SALESMAN—EXECUTIVE type, successfully identified with chemical, oil and allied interests for twenty years, offers his services in any capacity where out-of-the-ordinary capabilities and unusual combination of training and experience is required. BOX 419, Oil, Paint and Drug Reporter.

PAINT CHEMIST, young, Pratt Institute graduate, specialized paint, varnish, lacquers. Two years' actual experience in laboratory and factory. Oil paints. Cellulose lacquers. Chlorinated rubber. Can formulate. BOX 432, Oil, Paint and Drug Reporter.

ORGANIC CHEMIST; registered patent attorney, Ph.D. chemistry 1925; L.L.B. New York Law School 1939. Five years' research work, including 2 years Rockefeller Institute Medical Research; also plant and laboratory pulp and paper mill. Last ten years prosecuting patents U. S. Patent Office. Read, write, speak French and German. Citizen, 39, married, 2 children, Protestant. Location immaterial. Available immediately. BOX 434, Oil, Paint and Drug Reporter.

SALESMAN, detail man, with fine record and excellent experience in pharmaceuticals, biologicals, vitamins and fine chemicals, seeks connection with reliable firm. Highest type references. BOX 439, Oil, Paint and Drug Reporter.

Real Estate

178 FRONT and 148 John. For sale or rent, four-story, modern brick and steel construction "L" building, 9,000 sq. feet. Suitable domestic, import, export or forwarding business. Owner, Androvette, 277 Water street, New York City; telephone BEekman 3-2329, or your own broker.

Services Offered

CHEMIST and chemical engineers—If you are now unemployed send your complete chronological record of education and experience to Chemist Advisory Council, Room 811, 60 East 42nd street, New York City.

WE WILL reserve a reasonable share of profit, will finance and look after any serious transactions in metal, mineral, chemical which will be suggested to us. BOX 417, Oil, Paint and Drug Reporter.

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Bids Wanted

Acetylene Tetrachloride: — 3,250 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; invitation 1049, opening March 27.

Ammonia, Aqua:—3,200 pounds; U. S. Coast Guard Store, Brooklyn; invitation 1782, opening March 28.

Ammonium Nitrate: — 8,000,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 1889, opening March 24.

Chlorine:—30,000 pounds; U. S. Engineer Office, First and Douglas streets, N.W., Washington; serial 129, opening March 28.

Chrome Yellow:—30,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 5953, opening April 1.

Drugs, Miscellaneous: — For Chicago and Perry Point, Procurement Division, Veterans Administration, Washington, D. C.; invitation 530, opening March 28.
Procurement Division, Veterans Administration, Washington, D. C.; invitation 499 and 524, opening March 28, also invitation 520, opening April 1.

Ethylene Chloride:—100,000 pounds for Norfolk; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 5897, opening March 25.

Glue, Flake, Animal:—3,500 pounds; Procurement Division, Treasury Department, Washington, D. C.; invitation 9791-85, opening March 26.

Lamp Black:—30,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 5953, opening April 1.

Laundry Soap:—2,400 pounds; Quartermaster Supply Officer, Army Base, Brooklyn, N. Y.; invitation 626-419, opening March 26.

Lead Azide:—2,478 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 1905, opening March 25.

Methanol:—10,000 pounds of liquid; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 5897, opening March 25.

Oiticica Oil:—81,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 6025, opening April 1.

Paint, White Zinc Base:—1,000 gallons; Procurement Division, Treasury Department, Washington, D. C.; invitation 9793-S5, opening March 26.

Pharmaceutical Chemicals:—Various kinds and quantities; Procurement Division, Veterans Administration, Washington, D. C.; invitation 532, opening March 26.

Tablets:—Various kinds and quantities; Procurement Division, Veterans Administration, Washington, D. C.; invitation 526, opening March 26.

Quinine Sulphate:—1,500 tablets; Procurement Division, Treasury Department, Washington, D. C.; invitation 24754-SP3, opening March 25.

Soap, Grit:—65,000 pounds; Depot Quartermaster, Marine Corps, Philadelphia; schedule 1141, opening March 28.

Powdered, Laundry: — 8,000 pounds; Quartermaster Supply Officer, Army Base, Brooklyn, N. Y., invitation 626-419, opening March 26.

Saddle:—125,000 pounds; Quartermaster Supply Officer, Army Base, Brooklyn, N. Y.; invitation 626-419, opening March 26.

White, Castile:—81,000 pounds; Quartermaster Supply Officer, Army Base, Brooklyn, N. Y.; invitation 626-419, opening March 26.

Sulphur:—1,000 tons for White Plains, Md.; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 5984, opening April 1

Tung Oil:—400,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 6026, opening April 1.

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White Lead:—300,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 5954, opening April 1.

Zinc, Yellow:—30,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 5953, opening April 1.

J. B. Davis, vice-president of the International Chemical Corporation, this city, has been named chief of the paint section of the purchase division of the Office of Production Management.

Finishes for portland cement and metal protective primers for antifouling paints are the subjects of new circulars, 612 and 611, respectively, of the scientific section of the National, Paint, Varnish and Lacquer Association.

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